CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Bridges, Chicago, Ill., election Apr. 5, $10,200,000.

War memorial and opera house, San Francisco, Calif., City and San Francisco Co. plan election $4,000,000; citizens have donated, $1,800,000.

City auditorium, St. Louis, Mo., Bd. Pub. Serv. had preliminary plans prepared, $5,000,000.

Schools, San Diego, Calif., San Diego School Dist. plans election, $4,350,000.

Bank and office, Newark, N. J., National Newark and Essex Banking Co. having plans prepared, $4,000,000.

Municipal railway, San Francisco, Calif., city plans extending railway and erecting new shops and barns, $3,500,000.

Apartment, Philadelphia, Pa., A. J. Sauer Co., archts., making plans, $2,750,000.

Hospital, Philadelphia, Pa., Hahnemann Hospital having plans prepared, $2,000,000.

Transmission line, Amarillo, Tex., Southwestern Pub. Serv. Co. plans new lines and power plant, $2,000,000.

Street Lighting system, St. Louis, Mo., made preliminary plans, $1,875,000.

Paving, Wichita Falls, Tex., Wichita Co. election soon, $1,750,000.

Railways, Quebec, Canadian National Rys. plans straightening 15 mi. line, $1,683,000.

Bridge, Chicago, Ill., Bd. Local Impvts. making plans and takes bids about Mar. 25, $1,600,000.

Electric street cars, Toronto, Ont., Toronto Transportation Comn. soon takes bids, $1,500,000.

Paving, sewers, water works, etc., Chicago, Ill., making plans, $1,500,000.

Schools, Niagara Falls, N. Y., City plans various schools, $1,258,000.

Roads, Covington, Tenn. Tipton Co. plans election, $1,000,000.

Plant, Birmingham, Ala., R. Hoe & Co., Inc., making plans, $1,000,000.

Contracts

Hydro-electric plant, South Carolina, Lexington Water Power Co. to W. S. Barstow Management Assn., Inc., approximately, $20,000,000.

Subway, New York, N. Y., Bd. Transportation to Patrick McGovern, Inc., $10,481,550.

Bank and office, New York, N. Y., National City Bank to G. A. Fuller & Co., $18,000,000.

Hotel, Chicago, Ill., Plotke & Grosby to Trimmer-Nydle, $2,000,000.

Theatre, Los Angeles, Calif., United Artists Theatre Corp. to Scofield Eng. Constr. Co., approximately $1,500,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Mar. 11 Long Island City, N. Y. — Mar. 10
Mar. 12 Falmouth, Mass. — Mar. 10
Mar. 14 Clarendon, Va. — Mar. 10
Mar. 14 Minneapolis, Minn. — Mar. 10
Mar. 15 Franklin, Ky. — Mar. 10
Mar. 15 Fishers Island, N. Y. — Mar. 10
Mar. 15 Red Wing, Minn. — Feb. 17
Mar. 15 Crystal Lake, Ill. — Mar. 3
Adv. Mar. 3 and 10.
Mar. 15 New York, N. Y. — Mar. 10
Mar. 15 Brooklyn, N. Y. — Mar. 10
Mar. 16 Thiells, N. Y. — Mar. 3
Mar. 16 Cleveland, O. — Mar. 10
Mar. 18 Elkhart, Ind. — Mar. 10
Mar. 22 St. Louis, Mo. — Feb. 24
Mar. 22 Crewe, Va. — Mar. 10
Mar. 22 Vancouver, B. C. — Mar. 10
Mar. 23 Providence, R. I. — Mar. 3
Adv. Mar. 3 and 10.
Mar. 23 San Joaquin, Calif. — Mar. 3
Mar. 28 Bunnell, Fla. — Mar. 10
Apr. 5 Allentown, Pa. — Mar. 10
Adv. Mar. 10.

Sewers

Mar. 12 Waterbury, Conn. — Feb. 24
Mar. 14 Freeport, N. Y. — Feb. 17
Mar. 14 Great Notch, N. J. — Feb. 17
Mar. 14 Ft. Thomas, Ky. — Mar. 3
Mar. 14 Williamsville, N. Y. — Mar. 3
Adv. Feb. 24 to Mar. 10.
Mar. 15 Toledo, O. — Feb. 17
Adv. Feb. 17 to Mar. 10.
Mar. 15 Nutley, N. J. — Feb. 24
Mar. 15 Eufaula, Ala. — Mar. 10
Mar. 15 Beaumont, Tex. — Mar. 10
Mar. 16 South Bend, Ind. — Mar. 3
Mar. 16 St. George, N. Y. — Mar. 10
Mar. 16 Brooklyn, N. Y. — Mar. 10
Mar. 17 Atlantic City, N. J. — Mar. 3
Mar. 18 Omaha, Neb. — Mar. 10
Mar. 21 Jacksonville, Fla. — Mar. 10
Mar. 22 Auburn, Wash. — Mar. 10
Mar. 23 Hillside (mail Elizabeth), N. J. — Mar. 3
Mar. 24 Akron, O. — Feb. 24
Mar. 29 Toledo, O. — Feb. 24
Adv. Mar. 3 and 10.
Mar. 29 Toledo, O. — Mar. 10
Apr. 1 Kenmore, O. — Feb. 3
Apr. 1 Detroit, Mich. — Mar. 3

Waste Disposal

Mar. 15 Memphis, Tenn. — Mar. 3
Adv. Mar. 3 and 10.
Mar. 16 Portland, Ore. — Feb. 17

Bridges

Bids close — *See Eng. News-Record*

Mar. 11 Cincinnati, O. — Feb. 24
Mar. 11 Westfield, Mass. — Mar. 10
Mar. 15 Louisiana — Mar. 3
Mar. 15 Indiana — Mar. 3
Mar. 15 Somerville, N. J. — Mar. 10
Adv. Mar. 3 and 10.
Mar. 16 Illinois — Mar. 3
Mar. 16 Colorado — Mar. 10
Mar. 17 Phila., Pa. — Mar. 10
Mar. 17 New Brunswick, N. J. — Mar. 10
Mar. 18 Morgantown, W. Va. — Mar. 3
Mar. 19 Wabasso, Fla. — Mar. 10
Mar. 21 Los Angeles, Calif. — Mar. 3
Mar. 24 Merrill, Wis. — Mar. 10
Mar. 25 Hamilton, O. — Mar. 3
Adv. Mar. 3 and 10.
Mar. 31 Kentucky — Feb. 24
Apr. 4 Pennsylvania — Feb. 24
Apr. 11 New York and New Jersey — Mar. 10
Adv. Mar. 10.

Railways

Mar. 21 California — Feb. 24

Excavation, Drainage, Irrigation, Levees, River and Harbor

Mar. 12 Winamac, Ind. — Mar. 10
Mar. 15 Gothenburg, Neb. — Mar. 10
Mar. 16 New York — Mar. 10
Adv. Mar. 10.
Mar. 16 New York — Mar. 10
Adv. Mar. 10.
Mar. 17 St. Charles, Ill. — Mar. 3
Adv. Mar. 3 and 10.
Mar. 17 New York — Mar. 10
Adv. Mar. 10.
Mar. 18 New York, N. Y. — Mar. 10
Adv. Mar. 10.
Mar. 22 Proberta, Calif. — Mar. 10
Mar. 24 Norfolk, Va. — Mar. 10
Mar. 29 Dover, N. J. — Mar. 10
Adv. Mar. 10.
Apr. 1 New York — Mar. 10
Adv. Mar. 10.

Streets and Roads

Mar. 11 Cleveland, O. — Mar. 10
Mar. 12 Peru, Ind. — Mar. 10
Mar. 14 Cincinnati, O. — Mar. 10
Mar. 14 Cleveland Heights (Warrensville P. O.), O. — Mar. 10
Mar. 14 Houston, Tex. — Feb. 17
Adv. Feb. 17 to Mar. 10.
Mar. 14 Phillippi, W. Va. — Mar. 3
Mar. 14 Winfield, W. Va. — Mar. 3
Mar. 14 Bronxville, N. Y. — Mar. 3
Adv. Mar. 3 and 10.

Bids close — *See Eng. News-Record*

Mar. 14 New Jersey — Mar. 3
Mar. 14 Buffalo, N. Y. — Mar. 3
Mar. 14 Wash., D. C. — Mar. 3
Mar. 14 Paw Paw, Mich. — Mar. 10
Mar. 14 Hastings, Mich. — Mar. 10
Mar. 15 Mason, Mich. — Mar. 10
Mar. 15 Paw Paw, Mich. — Mar. 10
Mar. 15 Swissvale, Pa. — Mar. 10
Mar. 15 Iowa City, Ia. — Mar. 10
Mar. 15 Abbeville, La. — Mar. 3
Mar. 15 Duluth, Minn. — Feb. 3
Mar. 15 Minot, N. D. — Jan. 13
Mar. 15 Birmingham, Ala. — Feb. 17
Mar. 15 St. Louis, Mo. — Feb. 17
Mar. 15 Pattenburg, N. J. — Feb. 17
Mar. 15 Birmingham, Ala. — Feb. 24
Mar. 15 Philadelphia, Miss. — Mar. 3
Mar. 15 St. Louis, Mo. — Mar. 3
Mar. 15 Anderson, Ind. — Mar. 3
Mar. 15 Sonoma, Calif. — Mar. 3
Mar. 15 Ventura, Calif. — Mar. 3
Mar. 15 Keokuk, Ia. — Mar. 3
Mar. 15 Jasper, Fla. — Mar. 10
Mar. 15 Lake City, Fla. — Mar. 10
Mar. 15 Grand Rapids, Mich. — Mar. 10
Mar. 15 Beaumont, Tex. — Mar. 10
Mar. 15 Chicago, Ill. — Mar. 10
Mar. 16 San Francisco, Calif. — Mar. 10
Mar. 16 Sioux City, Ia. — Mar. 10
Mar. 16 Rye, N. Y. — Mar. 10
Adv. Mar. 3 and 10.
Mar. 16 Baltimore, Md. — Mar. 10
Mar. 16 Delaware — Feb. 24
Mar. 16 Illinois — Mar. 3
Mar. 16 Wash., D. C. — Mar. 3
Mar. 16 St. George, N. Y. — Mar. 10
Mar. 17 Virginia — Mar. 10
Mar. 17 Dayton, O. — Mar. 10
Mar. 17 Wisconsin — Mar. 10
Mar. 17 Nebraska — Mar. 10
Mar. 17 Cedar Rapids, Ia. — Mar. 10
Mar. 18 Green Cove Springs, Fla. — Mar. 10
Adv. Mar. 10.
Mar. 18 Wisconsin — Mar. 10
Mar. 18 Brownsville, Tex. — Mar. 10
Mar. 18 Graham, Tex. — Mar. 10
Mar. 18 Olney, Tex. — Mar. 10
Mar. 21 Akron, O. — Mar. 3
Mar. 21 Crown Point, Ind. — Mar. 10
Mar. 21 Pascagoula, Miss. — Mar. 10
Mar. 21 Riverside, Calif. — Mar. 10
Mar. 22 Gainesville, Fla. — Mar. 10
Mar. 22 East Providence (br. Providence), R. I. — Mar. 10
Mar. 22 New York — Mar. 10
Adv. Mar. 10.
Mar. 22 Florida — Mar. 3
Mar. 22 Peekskill, N. Y. — Mar. 3
Adv. Mar. 3 and 10.
Mar. 24 New York — Mar. 10
Adv. Mar. 10.
Mar. 25 Pennsylvania — Mar. 10
Adv. Mar. 10.

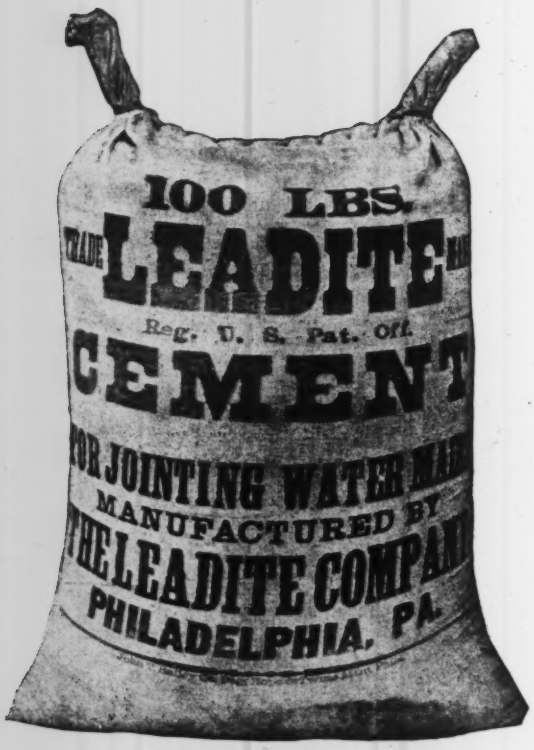
Special proposal advertising on page 153

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

A list of the Country's principal cities, large and small—

Is a list of the satisfied users of LEADITE.

Leadite Users are Leadite Boosters



EAST or West, North or South, take your pick of the cities—and you'll find many of them on the customer list of Leadite—

The country's principal cities, large and small—the country's representative water works engineers, construction companies and water works departments of industrial plants, railroads and mines are strong for Leadite for jointing cast iron water mains—

Are demonstrating what you will be able to do when you use Leadite—

What, for instance?—

You will do away with the need for caulking—or the need for digging out for large bell holes.

You will be able to use Leadite for all sizes of pipe from 4 in. to 60 in. diameter—under all pressures and conditions—

Give Leadite a trial.

Leadite resists electrolysis.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

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THE LEADITE COMPANY, Inc.
1511 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Mar. 25	Winterset, Ia.	Mar. 10
Mar. 26	Pennsylvania Adv. Mar. 10.	Mar. 10
Mar. 28	San Luis Obispo, Calif.	Mar. 10
Mar. 31	Kentucky	Mar. 3
Mar. 31	Mound City, Ia.	Mar. 10
Mar. 31	Kentucky	Mar. 10
Apr. 1	Birmingham, Ala.	Mar. 10
Apr. 1	Kentucky	Feb. 17
Apr. 1	Birmingham, Ala.	Feb. 24
Apr. 4	Minot, N. D.	Mar. 10
Apr. 8	Tennessee	Mar. 10
Apr. 14	Kentucky	Mar. 10
Apr. 15	Lawrence, Kan.	Mar. 10
Apr. 15	Canton, O.	Feb. 3
Apr. 15	Anderson, Ind.	Mar. 3
Apr. 15	Phila., Pa.	Mar. 10
Apr. 17	Anderson, Ind.	Mar. 3
Apr. 20	Birmingham, Ala.	Mar. 3
May 1	Duluth, Minn.	Feb. 24

Buildings—Commercial

Mar. 14	Detroit, Mich.	Feb. 24
Mar. 15	Rochester, N. Y.	Feb. 3
Mar. 15	Birmingham, Ala.	Feb. 17
Mar. 15	Dallas, Tex.	Feb. 10
Mar. 15	Preston (mail Oxford), N. Y.	Mar. 3
Mar. 15	Baltimore, Md.	Mar. 3
Mar. 16	Chicago, Ill.	Feb. 24
Mar. 16	Duluth, Minn.	Mar. 3
Mar. 22	Concord, N. H.	Mar. 3
Mar. 22	Meriden, Conn.	Mar. 10
Mar. 22	Columbus, O.	Mar. 10
Mar. 22	Toronto, Ont.	Mar. 10
Mar. 28	Corpus Christi, Tex.	Mar. 10
Apr. 1	Anderson, Ind.	Mar. 10
Apr. 1	Wilmington, Del.	Jan. 27
Apr. 1	Canton, O.	Jan. 20
Apr. 1	New Castle, Pa.	Feb. 17
Apr. 30	Louisville, Ky.	Feb. 17
May 1	La Junta, Colo.	Feb. 3

Buildings—Industrial

Mar. 15	Dover, O.	Feb. 17
Mar. 15	Fremont, Neb.	Mar. 10
Mar. 15	Hagerstown, Md.	Mar. 10
Mar. 15	Hatboro, Pa.	Mar. 10
Mar. 15	Phila., Pa.	Mar. 10
Mar. 24	Columbus, O.	Mar. 3

Buildings—Educational, Religious

Mar. 12	Versailles, O.	Feb. 17
Mar. 12	Lakewood (br. Cleveland), O.	Feb. 24
Mar. 14	Shaker Heights (br. Cleveland), O.	Feb. 24
Mar. 14	Hollidaysburg, Pa.	Mar. 3
Mar. 14	Derby, Conn.	Mar. 3
Mar. 14	Rock Island, Ill.	Mar. 10
Mar. 14	Kingston, Pa.	Mar. 10
Mar. 14	Muskegon, Mich.	Mar. 10
Mar. 15	Flint, Mich.	Mar. 10
Mar. 15	Joplin, Mo.	Mar. 10
Mar. 15	Cranford, N. J.	Mar. 10
Mar. 15	Mimico, Ont.	Mar. 10

Bids close		See Eng. News-Record
Mar. 15	Louisville, Ky.	Feb. 3
Mar. 15	Zanesville, O.	Feb. 3
Mar. 15	Marysville, O.	Feb. 17
Mar. 15	St. George, N. Y.	Mar. 10
Mar. 16	San Francisco, Calif.	Feb. 17
Mar. 16	Akron, O.	Feb. 24
Mar. 16	Green Bay, Wis.	Mar. 10
Mar. 17	Fresno, Calif.	Feb. 24
Mar. 17	Ashville, O.	Mar. 3
Mar. 20	Gardner, Mass.	Feb. 17
Mar. 21	London, Ont.	Mar. 10
Mar. 21	Lansing, Mich.	Mar. 10
Mar. 21	Wyoming, O.	Mar. 10
Mar. 23	St. Albans (mail Jamaica), N. Y.	Mar. 10
Apr. 1	Virginia, Minn.	Feb. 3
Apr. 1	Pendleton, Ind.	Mar. 3
May 1	Monroe, Mich.	Jan. 13

Federal Government Work

Mar. 14	Lighting—New York, N. Y.	Mar. 3
Mar. 15	Turbine, etc.—Denver, Colo.	Feb. 17
Mar. 15	Dwellings—Edgewood, Md.	Feb. 24
Mar. 15	Road—Nevada	Mar. 3
Mar. 16	Buildings, etc.—San Diego, Calif.	Jan. 27
Mar. 16	Post Office—Mt. Carmel, Ill.	Feb. 17
Mar. 16	Gates—Pittsburgh, Pa. Adv. Feb. 17 to Mar. 10.	Feb. 17
Mar. 16	Perforating Casing — Keyport, Wash.	Feb. 17
Mar. 16	Foundation, etc.—Milwaukee, Wis.	Mar. 3
Mar. 18	Dredging—Albany, N. Y. Adv. Feb. 17 to Mar. 10.	Feb. 17
Mar. 22	Post Office—Montclair, N. J.	Feb. 24
Mar. 22	Machinery, etc.—Louisville, Ky. Adv. Feb. 24 to Mar. 10.	Feb. 24
Mar. 24	Post Office—Bayonne, N. J. Adv. Mar. 3 and 10.	Mar. 3
Mar. 29	Buildings, etc.—Sunmount, N. Y. Adv. Mar. 3 and 10.	Mar. 3
Apr. 1	Pipe Line—Wash., D. C. Adv. Mar. 10.	Mar. 10
Apr. 4	Post Office—East Las Vegas, N. M.	Mar. 3
Apr. 5	Buildings, etc.—Alderson, W. Va. Adv. Mar. 3 and 10.	Mar. 3
Apr. 5	Trestles, Wickets, etc.—Louisville, Ky. Adv. Mar. 10.	Mar. 10
Apr. 5	Scout Cruisers—Wash., D. C.	Mar. 10
Apr. 12	Canal—Oregon Adv. Mar. 10.	Mar. 10
June 1	Quarters—Canacao, P. I. Adv. Mar. 3 and 10.	Mar. 3

Unclassified

Bids close		See Eng. News-Record
Mar. 14	Signal Tower—Flushing, N. Y.	Mar. 3
Mar. 14	Alarm System—New York, N. Y.	Mar. 10
Mar. 15	Transit Shed—Mobile, Ala.	Feb. 24
Mar. 15	Transit Shed—Mobile, Ala.	Mar. 10
Mar. 16	Exit Facilities, etc.—Poughkeepsie, N. Y. Adv Feb. 24 to Mar. 10.	Feb. 24
Mar. 16	Exit Facilities, etc.—Ogdensburg, N. Y.	Feb. 24
Mar. 16	Heating and Ventilating System—Brookline (br Boston), Mass.	Mar. 10
Mar. 18	Culverts—Knoxville, Ia.	Mar. 3
Mar. 21	Lighting System—Los Angeles, Calif.	Mar. 3
Mar. 21	Property Improvements—Cleveland, O.	Mar. 3
Mar. 22	Station—Dorchester (Boston P. O.), Mass.	Mar. 10
Mar. 23	Refrigeration Plant—Middletown, N. Y.	Feb. 24
Mar. 28	Subway—Sacramento, Calif.	Mar. 10
Mar. 30	Electrical Work—Buffalo, N. Y. Adv. Mar. 3 and 10.	Mar. 3
Mar. 30	Fire Alarm Equipment—Central Islip, N. Y. Adv. Mar. 10.	Mar. 10

Materials

Mar. 11	Road Oil—Milford, Conn.	Mar. 3
Mar. 11	Stone and Gravel, etc.—Toronto, Ont.	Mar. 3
Mar. 11	Bituminous Material, etc.—Albany, N. Y.	Feb. 24
Mar. 11	Pipe—New York, N. Y.	Mar. 10
Mar. 14	Paving Asphalt, Road Oil, etc.—London, Ont.	Mar. 10
Mar. 14	Lumber, etc.—Rock Rapids, Ia.	Mar. 10
Mar. 14	Coal, Tar, Crushed Stone — Flemington, N. J.	Mar. 10
Mar. 15	Gasoline, Kerosine, etc.—Iowa	Feb. 24
Mar. 15	Pump and Motor—Sea Girt, N. J.	Feb. 24
Mar. 15	Chestnut Poles—Richmond, Va.	Mar. 3
Mar. 15	Stone, Tar, Oil—Towson, Md.	Mar. 10
Mar. 16	Reinforcing Steel and Culvert Pipe—Boone, Ia.	Mar. 10
Mar. 16	Lumber—New York, N. Y.	Mar. 10
Mar. 17	Lumber, Paint, etc.—Clarinda, Ia.	Mar. 10
Mar. 17	Culvert Pipe—Cherokee, Ia.	Mar. 10
Mar. 18	Culvert Pipe—Knoxville, Ia.	Mar. 3
Mar. 22	Road Signs, Steel Posts, etc.—Iowa	Mar. 3
Mar. 23	Bituminous Material, etc.—Albany, N. Y. Adv. Mar. 10.	Mar. 10

News of the Week

Waterworks

Proposed Work

W. Va., Mannington — Plans election $102,000 bonds, new waterworks. C. C. Coffman, city engr.

La., Monroe—Voted $600,000 bonds, improving waterworks. Burns-McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

O., Hamilton—City Council, Waterworks Dept., plans to purchase one 7 m.g.d. centrifugal pump. $20,000.

O., Rocky River — Making plans 2 ejector stations in concrete pits 18 ft. deep and 1 story covering with pumps. $25,000. G. B. Gascoigne, Leader Bldg., Cleveland, engr.

O., Shaker Heights (mail Cleveland)—Soon takes bids main in Warrensville Center Rd. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Mich., Highland Park (br. Detroit) — Plans 1¼ mi. 24 in. mains in Oakland, Mclean and Glendale Aves. L. C. Whitsit, city engr.

Ill., Chicago—See "Streets and Roads."

Ill., Duquoin—Soon takes bids filtration plant, reservoir, main extensions, etc. T. B. Wilson, 1st Natl. Bank Bldg., Marion, engr.

Ill., Winfield—Making plans and takes bids in May, 6- to 12-in. c.i. mains, etc., in various streets. $55,000. Selby-Nelson Eng. Co., Wheaton, Engrs.

Neb., Imperial—Election Mar. 15, $25,000 bonds, improving water and light systems, incl. oil engine and constructing building. W. C. Hill, city clk.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. D., Dickinson—Making plans waterworks. $100,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Sept. 16.

Mo., St. Louis — Water Dept. making plans rein.-con., brick and stone superstructure for coagulant house, incl. machinery, etc., at Howards Bend Water Station in St. Louis Co. $1,000,000. L. Day, City Hall, comr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids 20 in. c.i. main, with special castings, stop valves, fire hydrants and appurtenances in Arsenal St. between Kingshighway and Brannon Ave. $20,000. J. Pritchard, City Hall, dir.

Tex., Honey Grove—Election Mar. 15, $100,000 bonds waterworks improvements. J. E. Little, city secy.

Tex., Nixon—Voted $70,000 bonds complete waterworks system. Address Mayor, Noted Feb. 3.

Tex., San Benito—See "Unclassified."

Tex., Snyder—Making plans extending waterworks $30,000. Hawley & Roberts, Lubbock, engrs.

Tex., Stanton—Takes bids after Mar. 15, waterworks. $45,000. Hawley & Roberts, Lubbock, engr. Noted Oct. 28.

Tex., Sweetwater—Making plans improving waterworks, incl. new reservoir, etc. $300,000. Terrell Bartlett Engineers, c/o Calcasieu Bldg., San Antonio, engrs.

Okla., Copan — Made preliminary plans new waterworks. $18,000. G. Wesley, mayor. Engineer not announced.

Okla., Wann—Making preliminary plans new waterworks. $20,000. H. Hudson, mayor. Engineer not selected.

Wash., Anacortes—Plans election $50,000 bonds, improving and extending waterworks.

Wash., Chehalis—Plans replacing wooden mains with c.i. mains in 1.5 mi. various streets. $15,000. B. Bantz, city engr.

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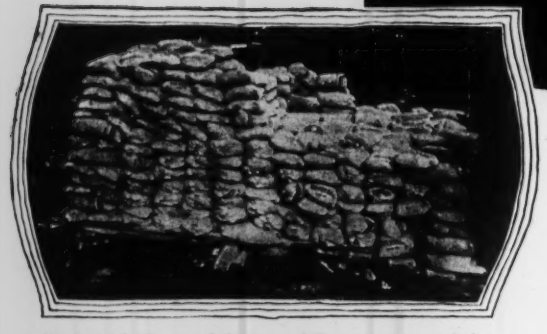

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You Can Obtain High-Early-Strength Concrete With Standard *Universal* Cement

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Address .....

ENR 3-10-27

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

Calif., Arcadia—Plans 28,100 ft. 12- to 20-in. steel pipe, and 21,700 c.i. pipe, etc. C. B. Watson, city engr. Noted Dec. 23.

Calif., Laguna Beach — L. H. Lasley, Laguna Beach, making plans 200,000 gal. reservoir. W. G. Knox, Santa Ana, consult. engr.

Ont., Thorold — Water Comm., soon takes bids 3,000,000 imperial g.p.d. filtration plant, $125,000. F. N. Rutherford, 24 Queen St., St. Catherines, engr. Noted Jan. 13.

Bids Desired

Mass., Falmouth—Mar. 12, by Richardson & Gay, engrs., 220 Devonshire St., Boston, furnishing materials, pipe, valves, hydrants, etc. for Water Comrs.

N. Y., Brooklyn — Mar. 15, by N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York City, mains, etc. Billings Pl., Avenue Q and T. Nostrand, Stillwell Aves., Bogart, Clark, Logan, Meadow, Pineapple Sts., etc. here.

N. Y., Fishers Island — Mar. 15, by Fishers Island Corp., F. S. Ruth, mgr., 120 Bway., New York City, filter plant, rein.-con. tanks and buildings. Parsons & Wait, 1 Beacon St., Boston, Mass., associated archts.

N. Y., Long Island City—Mar. 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. Bratlle Rd, Himrod Ave., Leight and Rugby Pls., 46th, 44th, Murray, 163, 127th, 137th, 159th, 160th, 194th, 215th Sts., Queens.

N. Y., New York — Mar. 15, by N. J. Hayes, comr. Water Supply Gas & Electricity Municipal Bldg., New York City, mains, etc. in Mundy Lane, Burke, Ellsworth, Olinville, Pearsall, Seymour, Tenbroeck, Colgate, Lafayette, Logan, Woodhull Aves., East 227th, 228th, 209th Sts., etc. Bronx Boro.

Pa., Allentown—Apr. 5, at Office Water Bureau, 301 Central, Central Fire and Police Station, 10 m.g.d. filtration plant and appurtenant works; Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, engr.; adv. E. N.-R. Mar. 10.

Va., Clarendon — Mar. 14, by Bd. Supervs. Arlington Co., 150 eight in. and 75 twelve in. gate valves. A. E. Phillips, 2525 Pennsylvania Ave., Wash., D. C., ch. engr. Arlington Co. Water Supply.

Va., Crewe — Mar. 22, by Town, W. S. Kincheloe, mayor, waterworks and sewerage system, incl. 500,000 gal. filter tank, auxiliary pump station, steel to tower on tank for wash water, 24,269 ft. 6- to 10-in. c.i. pipe, 27 hydrants, 47 gate valves, 60,000 ft. 8 in. sewer pipe, 200,000 gal. reservoir, settling basin, 2.25 mi. transmission line, etc. J. B. McCreary Eng. Corp., Citizens & Southern Bank Bldg., Atlanta, Ga., engrs.

Fla., Bunnell—Mar. 28, by Mayor and Town Comrs., 34,040 lin.ft. 4- to 8-in. c.i. and 12,250 lin.ft. 2 in. lin.ft. galvanized steel mains, etc., in various streets. N. A. Hotard, New Smyrna, engr.

Ky., Franklin—Mar. 15, by P. E. Lewis, mayor, and City Council, waterworks improvements, incl. three 1 m.g. capacity and one 3 m.g. capacity motor driven centrifugal pumps, equipment for 2 rapid sand gravity type filter units, each 500,000 g.p.d. capacity, filtration plant, pumps, 100,000 gal. steel tank on tower, etc. Klyce & Harrub, 705 4th & 1st Natl. Bank Bldg., Nashville, Tenn., engrs.

O., Cleveland—Mar. 16, by Comrs. Cuyahoga Co., 5,400 ft. 12 in. c.i. main in Maple Ridge Rd., Impvt. 761, to exceed $15,000; and 19,000 ft. 12- to 16-in. Aurora Rd., Impvt. 1151, to exceed $25,000. F. Williams, Court House, engr.

Ind., Elkhart — Mar. 18, by Bd. Pub. Wks., constructing rein.-con. receiving reservoir Contr. 1. $50,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

Minn., Minneapolis—Mar. 14, by F. S. Gram, city purch. agt., 3,300 curb and 3,200 corporation cocks. N. W. Elsberg, city engr.

Mo., Springfield — See "Contracts Awarded."

Calif., Alhambra — M. H. Irvine, city mgr., taking new bids, 5 m.g. reservoir and concrete storm drain. Former bids rejected. Noted Feb. 17.

Calif., Beverly Hills—B. J. Firminger, city clk., taking bids, 5 m.g. reservoir, $50,000; also furnishing and installing 3 deep well turbine pumps. Salisbury, Bradshaw & Taylor, Petroleum Security Bldg., Los Angeles, engrs. Noted Oct. 28.

B. C., Vancouver—Mar. 22, by City Council, supplying twenty-one 16- to 32-in. valves. C. Brackenridge, City Hall, engr.

Contracts Awarded

Md., Baltimore—Bd. Awards, Mar. 2, excavating trenches and laying mains in Maynadier and Lake Aves., from M. and J. B. McHugh, 3911 Woodbine Ave., $13,476.

La., Slidell—Mayor and Bd. Aldermen Town Hall, water lines, concrete reservoir and pumphouse for waterworks, to J. M. Middleton, Hammond, $19,041; c.i. and galvanized pipe, to Dixie Mill & Supply Co., 901 Tchoupitoulas St., New Orleans, $17,364; pumps and water meters, to A. M. Lockett, 521 Barrone St., New Orleans, $6,712; 75,000 gal. water tank on 100 ft. tower, to Chattanooga Boiler & Tank Wks., 1011 East Main St., Chattanooga, Tenn., $5,175; and valves and fire hydrants, to Columbian Iron Wks., 811 Boyce St., Chattanooga, Tenn., $2,997. Grand total $51,289. Noted Feb. 24.

Ky., Louisville—Louisville Water Co., 435 South 3rd St., 48 m.g. filter units and buildings complete, 1 m.g. clear water reservoir, pump station addition, 40 m.g. centrifugal pump at River Station, two 500 hp. boilers and accessories at Crescent Hill Pump Station, to Natl. Concrete Constr. Co., Board of Trade Bldg. Engrs. est. $1,000,000. Noted Jan. 6.

Ky., Princeton — Waterworks improvements, incl. tank on tower, pumps, pipe, reservoir, etc., to General Constr. Co., 408 Pine St., St. Louis, Mo., $52,250. Noted Feb. 3.

O., Dayton—For 1,056 tons c.i. waterpipe and fittings for Water Works Dept., to Natl. C. I. Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill., $47,795.

O., Toledo—For 30 m.g.d. pump in Bway. Pumping Station, to Dravo-Doyle, Leader News Bldg., Cleveland, $48,985. Noted Jan. 27.

Mich., Dearborn—H. B. Knauff, village clk., 40,865 ft. 6- to 12-in. c.i. mains, 56 hydrants, and 95 gate wells, Contr. D. to T. C. Brooks & Sons Co., Ann Arbor, $87,815. Noted Feb. 10.

Mich., Dearborn—H. B. Knauff, village clk., 47,680 ft. 6- to 12-in. c.i. mains, 70 hydrants and 100 gate wells in various streets, Contr. E., to J. H. Lovett, 333 State St., Detroit, $102,837. Noted Feb. 10.

Ill., Lyons—Waterworks improvements, to F. Piacente & Co., Chicago Heights, $165,888.

Ill., Saunemin—Mains in various streets, to F. M. Luth, 4135 Flora Pl., St. Louis, Mo., $20,000.

Minn., Minneapolis — F. S. Gram, city purch. agt., six 48 in. gate valves, to Rensaelaer Valve Co., 53 West Jackson Blvd., Chicago, Ill., at $2,351 each. Noted Feb. 3.

Kan., Jennings—Complete waterworks, to G. Morrish, Oberlin, $19,839. Noted Nov. 4.

Neb., Lincoln—T. Berg, city clk. 10,590 ft. 6- to 12-in. c.i. pipe, eleven 6 in. hydrants, twenty-seven 4- to 12-in. valves, 15,000 lb. specials, etc., to Knudson Co., Bankers Life Bldg., $32,873. Engrs. est. $36,400.

Neb., Scottsbluff—For 300,000 gal. steel tank on 115 ft. steel tower, to Omaha Steel Wks., 48th and Leavenworth Sts., Omaha. Engrs. est. $21,000.

Mo., St. Louis — Water Dept., J. Pritchard, dir., two hundred 6 in. specials, one hundred forty-eight 6- to 30-in. hub and one hundred twenty-five 4- to 12-in. tapping valves, to Michigan Valve & Fdry. Co., 3631 Parkinson St., Detroit, Mich., $17,000.

Mo., Springfield—City Water Co., W. J. Gray, supt., will construct 750,000 gal. stand pipe, 14,000 ft. 12 in. feder line and 30,000 ft. 8 in. pipe and with own forces. All materials for above purchased.

Ark., Corning—Bd. Water Comrs., T. W. Ratcliff, secy., complete waterworks, incl. 2 wells, 2 pumps, tank on tower, etc., to F. M. Luth, 4135 Flora Pl., St. Louis, Mo., $60,000. Noted Oct. 28.

Calif., Laguna Beach — L. H. Lasley, Three Arch Palisades Tract, water works for Three Arch Palisades Tract, to Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, approximately $28,500.

Calif., Pasadena—For 129,520 ft. 4- to 16-in. Class "B" and 12,000 ft. 4- to 8-in. Class "C" c.i. pipe, to Grinnell Co., 520 Mateo St., Los Angeles, approximately $73,363.

Calif., Riverside—City Council, 12 m.g. reservoir in Iowa Ave., to H. W. Rohl, 625 Market St., San Francisco, approximately $65,000. Noted Feb. 24.

Ont., Merritton—Council, 1,500,000 imperial g.p.d. filtration plant, to W. J. Westaway Co., 38 Main St., Hamilton. Engrs. est. $60,000. Noted Jan. 13.

Sewers

Proposed Work

W. Va., Buckhannon—See "Streets and Roads."

W. Va., Huntington—Plans relief sewers in 10th and 16th Sts. $118,000. E. D. Barstow of Barstow & McCurdy, Ohio Bldg., Akron, O., engr.

Tenn., St. Elmo (br. Chattanooga)—Election Mar. 31, $30,000 bonds, sewers in various streets.

Ky., Pineville—See "Streets and Roads."

Ky., Sturgis — Postponed indefinitely sewers and sewage disposal plant. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Feb. 3.

O., Cincinnati — Hamilton Co. plans Sewer 25, Dist. 2, College Hill and Mt. Healthy, 20,844 ft. 6- to 10-in. vitr. clay pipe, etc. $64,563. L. C. Boyatt, Court House, engr.

O., Shaker Heights (br. Cleveland)—Soon takes bids sewer in Warrensville Center Rd. $100,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ill., Chicago—See "Streets and Roads."

Mo., Independence—Making plans sewage disposal plant. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs.

Mo., Sedalia — Making plans sanitary sewers in various streets, also disposal plant in new district. $175,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, engrs. Noted Feb. 17.

Mo., Springfield — Making preliminary plans sewerage system in northwest section, incl. disposal plant, 6 rein.-con. tanks, sprinkling filters, gravity flow lines, approximately 2 mi. pipe, etc., $250,000; also approximately 13 mi. sewers in Phelps Grove Park and Country Club Dists. S. R. Fisher, City Hall, city engr. Russell & Axon, 404 McDaniel Bldg., consult. engrs.

Tex., Austin—See "Streets and Roads."

Tex., Nixon—Voted $30,000 bonds sanitary sewerage system. Address Mayor. Noted Feb. 3.

Tex., Valley Mills — Defeated $40,000 bonds improving waterworks. Kock & Fowler, Engineers, 801 Central Bank Bldg., Dallas, engrs.

Calif., Huntington Park—Making plans approximately 26,000 ft. 6- to 18-in. sewer in Wilson Tract. H. McCurdy, city engr.

Ont., Toronto — East York Twp. plans 6,000 ft. 8 in. and up vitr. tile sewers in Plains Rd. School Vicinity. $25,000. G. R. Jack, 443 Sammon Ave., engr.

Ont., Windsor—Plans 3 to 3½ mi. vitr. tile sewers in Moy, Gladstone, Wellesley, Woodlawn and Parkwood Aves. $85,000. M. E. Brian, City Hall, engr.

Bids Desired

N. Y., Brooklyn — Mar. 16, by J. J. Byrne, pres. Borough of Brooklyn, Boro Hall, constructing sewers in East 42nd Medwood Sts., etc.

N. Y., St. George—Mar. 16, by J. Lynch, pres. Richmond Boro, Boro Hall, sewers in Fremont Ave. from Richmond Rd., to North Railroad Ave., etc.

Fla., Jacksonville — Mar. 21, by City Comm., 10,000 ft. 24 in. rein.-con. and 6,000 ft. 15 and 24 in. c.i. sewers in various streets. $28,000. J. W. Sheddan, city engr.

Ala., Eufaula—Mar. 15, by H. H. Conner, mayor, and Council, terra cotta pipe sewerage system, 5,500 ft. 8 in. H. S. Jaudon Eng. Co., Elberton, Ga., engrs.

O., Toledo—Mar. 29, by W. B. Guitteau, dir. Pub. Serv., 4,250 ft. 72 in., and 8,800 ft. 66 in. circular plain monolithic concrete and plain monolithic concrete sewer lined with vitr. lined plates, or vitr. segmental block, concrete segmental block and brief sewer in Gleason, Millard and Front Sts. $550,000. H. P. Jones Co., 2nd Natl. Bank Bldg., engr. Noted Feb. 24.

Neb., Omaha—Mar. 18, by H. Beal, city engr., storm sewer 905, Clark St. Sewer, 610 ft. 5 ft. pipe; Storm Sewer 925, 18th and 21st St. Sewer, 350 ft. 12 in. and 715 ft. 15 in. pipe; Hickory, Walnut and Pine Sts., Sewer Dist. 961, 3,040 ft. 8 in. and 750 ft. 10 in. pipe; 48th Ave. Sewer Dist. 1004, 1,300 ft. 12- to 21-in. pipe; 49th Ave.

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Sewers (Continued)

Sewer Dist. 1005, 1,081 ft. 8 in. pipe; Martin Ave., Sewer Dist. 1006, 1,654 ft. 15- to 42-in. pipe; Sewer Dist. 1007, 2,370 ft. 8- to 12-in. pipe; and Country Club, Sewer Dist. 1008, 16,625 ft. 8- to 36-in. pipe.

Tex., Beaumont—Mar. 15, by City, sewers incl. 6,600 lin.ft. 72 in. pre cast rein.-con. pipe, etc. $60,000. R. C. Black, city engr.

Wash., Auburn—Mar. 22, by City Council, concrete sewage disposal plant, $18,000; also 58,850 ft. 6- to 42-in. sewers in various streets. Total $200,000. J. A. Fallgren, city engr.

Calif., Los Angeles — Bd. Pub. Wks., taking bids, 3,834 ft. 8 in. vitr. pipe, etc. Le Pere Dr., etc. J. Shaw, City Hall, engr.

Calif., Riverside—City Clerk taking bids sanitary sewers in Linden St., etc. $25,000 or more.

Contracts Awarded

Mass., Woburn—For 7,000 ft. sewers in Aberjona Valley, to J. J. Coughlin & Sons, Inc., 27 School St., Boston, approximately $60,000. Owner furnishes most of material. Noted Dec. 16.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Feb. 23, sewer in Revere St., to Vanbro Constr. Corp., 20 Elizabeth St., Port Richmond, $1,963; and combined sewer in Clifton Ave., etc., to J. Johnson Sons, Inc., 445 Bway., West New Brighton, $7,419. Noted Feb. 24.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, to Perna Eng. Contg. Co., 739 South 8th St., branch sewers in Aramingo Ave. $4,436, Englewood St., $4,148, Fraley St. $43,921, and Cottman St. $14,037; to W. H. Yetman, Lincoln Bldg., Cheltenham St. $5,046; to A. Corrado, 5920 Magnolia Ave., Calumet St., $7,634; to P. & A. J. Ellis, Inc., 4th and Wyoming Sts., Duval St. $8,410, and Lawnton St., $28,851; to J. J. McHugh, 1617 Race St., Jackson Ave., $3,405; to A. Mattia, 310 North 65th St., Livingston St. $3,073, Miller St. $3,228, and Mercer St. $3,402; to J. Moss, 1652 Wakeling St., Rosalie St., $2,520; to F. T. Buckins, Jr., 4050 Kensington Ave., Sanger St. $3,436, and Wellington St. $3,750; to C. T. Centrone, 522 North 65th St., Sears St., $3,695; also to E. F. Bennis, 835 East Washington Lane, 65th St. $5,221, and Southampton St. $6,266. Grand total $154,479. Noted Mar. 3.

Miss., Meridian — Extending 6,185 ft. 30 and 36 in. sewers from Sowashee Creek to southwest corporate limits, in Sowashee Creek Dist., to R. T. Myers Constr. Co., Meridian, $29,200. Former contract rescinded. Noted Feb. 10.

La., Slidell—Mayor and Bd. Aldermen, Sewer Dist. 1, Town Hall, sewerage system, to H. A. Forest, Plaquemine, $79,310. Noted Feb. 24.

Tenn., Paris—Extending 7,800 ft. 8 and 10 in. vitr. clay sewers, etc., in various streets, to E. H. Hartig, Fulton, Ky., $22,253. Engrs. est. $26,200.

O., Cleveland—Cuyahoga Co., 8,500 ft. 8- to 72-in. concrete sewer in Judson Blvd., Impvt. 505, to M. Iafornaro, Union Mortgage Bldg., $178,328.

O., Cleveland—Sewers in Sect. 1, East 82nd St., to Winterbottom-Connelly Co., 1400 West 25th St., $340,456. Noted Jan. 6.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 5,000 ft. 8- to 72-in. concrete sewer in Parma Park Blvd., Impvt. 118, to Joseph Co., Prospect-4th Bldg., $135,160. Noted Feb. 24.

O., Salem—Storm and sanitary sewers in Etna St., to Leroy English, Alliance, $26,650. Engr. est. $25,000.

Ind., Rushville—Rush Co., constructing Hodges Branch Drain, to Connor-Bierly & Jinks, Connersville, $64,984. Noted Jan. 13.

Ill., Effingham — Sewer improvements, Sect. A, 2,445 ft. 18 and 21 in. vitr. clay sewers in various streets, to G. Schopmeyer, Effingham, $8,611; Sect. B, Imhoff tank, sludge beds, etc., to R. Emerick, Vandalia, $14,711.

Mo., Kansas City—Sewers in Dist. 535, Div. 6, to McGraw Constr. Co., 3932 Terrace St., $31,952.

Mo., St. Joseph—See "Streets and Roads."

Mo., St. Louis—Mackline Ave. Sewer 2, 1,213 ft. 8- to 12-in. vitr. clay pipe, to F. M. Luth, 3000 Shenandoah Ave., $3,735; and Manchester Ave. Sewer 6, 2,530 ft. 8- to 18-in. vitr. clay pipe, to Grant & Meinert, c/o Municipal Contrs. Assn., Fullerton Bldg., $5,926. Noted Aug. 5.

Calif., Inglewood—To N. Chutuk, 860 Main St., El Segundo, Sewer Dist. 1, 3,546 ft. 8 in. vitr. pipe $0.70 per ft., and Sewer Dist. 2, 17,800 ft. 8 in. vitr. pipe $0.89, 10,664 ft. 6 in. house sewers $0.89, etc. Noted Feb. 24.

Calif., Los Angeles—Supervs. Los Angeles Co., sewers in 102nd St., etc., Impvt. 454, to Bebeck & Brkich, 1905 Yosemite Dr., $89,270. Noted Mar. 3.

Calif., Santa Monica—City Council, 2,200 lin.ft. 24 in. rein.-con. sewer, etc., along Ocean Front, to T. Haverty Co., Maple and 8th Sts., Los Angeles, $31,660. Noted Mar. 10.

Ont., Toronto — York Twp., vitr. tile sewers in Baby Point Crescent, Brooke Ave. and Jane St., to A. Cavotti, 257 Euclid Ave. $50,952; and Lambton and Guestville Aves., to owners by day labor, $6,264. Noted Feb. 24.

Waste Disposal

Proposed Work

Va., Lynchburg—Plans either enlarging present crematory or establishing new incinerator. M. D. Knight, Lynchburg, engr.

Contracts Awarded

N. Y., New York — A. Goldman, comr. Dept. Plant & Structures, Municipal Bldg., general construction destructor plant, East 73rd, East 74th and Exterior Sts., to Clemente Contg. Co., 1191 Spofford Ave., $811,000; plumbing, to W. Young Plumbing Co., 217 West 13th St., $21,157; chimney, to M. W. Kellogg, 7 Dey St., $29,946; furnaces, to Bartlett & Snow Co., Harvard and East 62nd Sts., Cleveland, O., $227,400; heating, to E. Rutzler Co., Inc., 404 East 49th St., $32,288; and electrical equipment, to Lord Electric Co., 105 West 40th St., $18,500. Grand total $1,140,291. Noted Feb. 17.

Bridges

Proposed Work

W. Va., Huntington—Plans 3 span 350 ft. steel bridge over Guyandotte River, at Robey Hollow, here. $56,000. L. L. Jamison, Charleston, engr.

Miss., Gulfport—See "Streets and Roads."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making plans and surveys and takes bids about Apr. 1, rein.-con. bridge and approaches over Rock Creek, Marshall Co. $25,000. C. N. Bass, highway comr.

Tennessee — Waynesboro, State Dept. Highways & Pub. Wks., Nashville, takes bids about Apr. 15, rein.-con. bridge over Eagle Creek, Wayne Co. To exceed $25,000. C. N. Bass, highway comr.

Tenn., Chattanooga—State Dept. Highways & Pub. Wks., Nashville, making surveys bridges over Chickamauga and Lookout Creeks, Hamilton Co., near here. C. N. Bass, highway comr.

Tenn., Loudon—State Dept. Highways & Pub. Wks., Nashville, making surveys and preliminary plans and takes bids about July 1, bridge over Tennessee River, Loudon Co., here. $400,000. C. N. Bass, highway comr.

Kentucky—State Hy. Dept., Frankfort, plans four 60 ft. span rein.-con. girder bridge over Nolin River at Red Mills, State Aid Project 11, Hardin Co.; and nine 30 ft. span rein.-con. girder bridges over Louisville & Nashville R.R. tracks and Interurban R.R. tracks at Simpsonville, State Aid Project 17, Shelby Co. E. N. Todd, highway engr.

O., Alliance—Plans replacing bridge (account of being repaired) with 1,600 ft. steel and concrete bridge at East Main St. $580,000. H. E. Anderson, Alliance, engr.

Ind., Evansville — State Legislature of Indiana approved bill appropriating $3,000,000 for bridge over Ohio River, here, between Indiana and Kentucky. W. J. Titus, State House, Indianapolis, engr. Noted July 8.

Ill., Chicago — Bd. Local Impvts., City Hall, making plans and takes bids about Mar. 25, 164 ft. single leaf bascule bridge and structural steel viaduct 66 ft. wide over North Robey St. $1,600,000. T. A. Evans, 160 North La Salle St., engr.

Ill., Chicago—Election Apr. 5, $2,300,000 bonds, 175 ft. span double leaf bascule bridge, 90 ft. wide, incl. part of new viaduct, over new channel of river at Roosevelt Rd.; $1,700,000 bonds, 178 ft. span double leaf bascule bridge, 72 ft. wide, over new channel at Taylor St.; $1,500,000 bonds, 210 ft. span double leaf bascule bridge, 72 ft. wide, at Clark St.; and $3,700,000 bonds, 250 ft. span double leaf bascule bridge, 86 ft. wide, at Wabash Ave. T. G. Philfeldt, City Hall, engr.

Mont., Great Falls—Cascade Co. making plans 400 ft. steel and concrete bridge over Sun River, near here. $58,000. H. W. Holmes, Helena, state highway engr.

Tex., Batesville — See "Streets and Roads."

Tex., Cold Springs — See "Streets and Roads."

Tex., Fort Worth — See "Streets and Roads."

Tex., Houston—Harris Co., making plans two 160 ft. steel span bridge on concrete piers across San Jacinto River. $130,000. Howe & Wise, 816 First Natl. Bank Bldg., engrs.

Tex., Quanah—See "Streets and Roads."

Colo., Pueblo—See "Streets and Roads."

Colo., Pueblo—City and Denver & Rio Grande Western R.R., Co., A. A. Ridgway, Equitable Bldg., Denver, ch. engr., takes bids Apr. 1, party replacing present 500 ft. wood superstructure on concrete piers and abutments which will be used for new rein.-con. superstructure West 8th St. Viaduct. $70,000. D. P. Grayson, city mgr.

Calif., Fullerton—Plans election to exceed $25,000 bonds, 2 bridges one on Brae Rd. and other on Richmond Ave. Noted June 10.

Ont., Ottawa—Bd. Control soon takes bids new bridge over Canadian Pacific R.R. and Canadian Natl. R.R. tracks, on Somerset St. $150,000. A. F. Macallum, City Hall, engr.

Que., Grandmere—Plans 5 span 800 ft. concrete and steel bridge over St. Maurice River. $360,000. M. A. Beaulue, Polytechnic School, Montreal, consult. engr.

Bids Desired

Mass., Westfield—Mar. 11, by Fay, Spofford & Thorndike, engrs., 44 School St., Boston, widening, rein.-con., bridge, Northampton Rd., for City, Bd. Pub. Wks., $25,000.

New York and New Jersey—Apr. 11, at Office of Port Authority, 75 West St., New York City, constructing 2 foundations by open cofferdam or pneumatic caissons methods; also granite faced tower bases supporting New Jersey tower of Ft. Washington-Ft. Lee Bridge, over Hudson River. Noted Nov. 18. Adv. E. N.-R. Mar. 10.

N. J., New Brunswick — Mar. 17, by Freeholders Middlesex Co., rein.-con. bridge over Mile Run at Elizabeth St. and one at Charles St. W. F. Buchanan, 175 Smith St., Perth Amboy, engr.

N. J., Somerville—Mar. 15, by Bd. Freeholders Somerset Co., Court House, Gladstone Bridge, one 40 ft. rein.-con. span, 52 ft. wide, in boro. of Peapack-Gladstone. O. Smith, Jr., Court House, co. engr.; adv. E. N.-R. Mar. 10.

Pa., Phila. — Mar. 17, by C. E. Walch, purch. agt., 17th and Filberts Sts., steel superstructure and flow systems for Bridge Contr. 27, 1927, for Pennsylvania R.R. Co., A. C. Shand, ch. engr., Broad St. Sta.

Fla., Wabasso — Mar. 19, by Comrs. Wabasso Bridge Distr. at office Amer. Fruit Growers, Inc., for Sect. 1, 4,530 lin.ft. wooden bridge, and Sect. 2, 150 ft. draw span over Indian River. G. Sears, secy.

Tennessee—See "Streets and Roads."

Wis., Merrill—Mar. 24, by State Hy. Comn. C. H. Kirch, Madison, bridge engr., concrete and steel bridge over Wisconsin River at West Main St., here; incl. 3,530 cu.yd. concrete, 425,580 lb. reinforcing, 67,390 lb. cast and 12,000 lb. structural steel, etc. F. M. Sargeant, Rhinelander, div.-engr.

Tex., Olney—See "Streets and Roads."

Colorado—Mar. 16, by State Hy. Dept., Denver, concrete bridge, etc., over Chicago, Rock Island & Pacific R.R., and Pennsylvania tracks on Federal Aid Project 276, El Paso Co., 1 beam, 44 ft., bridge, etc., on State Project 548 (1925) Boulder Co., and grading 3.243 mi. Federal Aid Project 279-E, Park Co. L. D. Blauvelt, Denver, engr.

Ont., Toronto—See "Streets and Roads."

Contracts Awarded

Conn., Bristol—See "Buildings Industrials."

New York—Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, bridge over New York, Boston & Westchester R.R. tracks, on Hudson River Parkway, at New Rochelle, to Collet Constr. Co., Scarsdale, $101,898. Noted Feb. 17.

Pa., Pittsburgh — See "Streets and Roads."

Virginia—See "Streets and Roads."

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges, etc. on Project 4440, Lee Co., to E. A. Wood & Co., Andrews, $75,065, and on Project 333 Columbus Co., to Derby & Saddler, Fayetteville, $44,218. Noted Mar. 3.

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Philadelphia, Pa. Packard Building
Pittsburgh, Pennsylvania Chamber of Commerce Bldg.
San Francisco, Calif. Monadnock Building
St. Louis, Mo. Railway Exchange
Tampa, Florida 823 S. Oregon Ave.

Bridges (Continued)

Ind., Indianapolis — Bd. Park Comrs., rein.-con. arch bridge over Pleasant Run, Garfield Park, to E. Smith, 2050 South Harding St. $27,200. Engrs. est. $36,631. Noted Dec. 23.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 168, Sects. 115-B and 114-B, Fulton Co., to H. C. Holmes, Macomb, $17,083 and $14,533 respectively. Noted Jan. 27.

Wisconsin — Commissioners Buffalo, Trempealeau and Vernon Counties, Court House, La Crosse, (**S. P. means State Project**), constructing Whitehall Bridge on S.P. 5976, Trempealeau Co., to E. G. Bigham, Winona, Minn., $25,261; Langaard Bridge, S.P. 5989, Buffalo Co., to A. Beckman Co., Lake City, Minn., $10,374; Billing Creek Bridge on S.P. 5981, and Kickapoo Bridge, S.P. 5981 to Noffke Bros., Ontario $9,956 and $23,581 respectively, Stoddard Bridge, S.P. 5981, to Martin Schroeder, Cashton $9,672, and Ontario Bridge, S.P. 5981, to S. Townsend, Readstown, $11,951, all Vernon Co. Grand total $90,775. Noted Feb. 17.

Mo., Mexico—Comrs. Audrain Co., 5 steel bridges in various sections county, to Pan-Amer. Bridge Corp., Moberly. $27,330.

B. C., Kamloops—Canadian Natl. R.R., 230 St. James St., Montreal, Que., T. T. Irving, ch. engr., 800 tons structural steel work for bridge over South Thompson River, here, to J. Coughlans & Sons, 1st Ave. and Columbia St., Vancouver. $200,000.

Dams

Proposed Work

Tex., Victoria—Texas Central Power Co., c/o Frost Bldg., San Antonio, made plans 35 ft. high, 300 ft. long, 8 ft. wide at top and 60 ft. wide at bottom, rein.-con. dam, across Guadalupe River near here, for irrigation and power. $1,000,000. Private plans.

Railways

Proposed Work

California—City of San Francisco plans election $3,500,000 bonds, extending railway, also erecting new shops and car barns, in San Francisco.

Ontario—Ontario Hydro Comn., University Ave., Toronto, plans improvements and replacements of Windsor, Essex and Leamington Electric Railway line. $500,000. W. R. Robertson, c/o owner, engr.

Quebec — Canadian Natl. Rys. C. S. Gzowski, ch. engr. (constr.), Montreal, plans straightening 15 mi. main line between Burrill Siding and Shawinigan Falls. $1,683,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ill., Alton—Soon takes new bids dredging 175,000 to 300,000 cu.yd. material from Mississippi River and placing same on river front park. Former bids rejected. J. E. Schwaab, City Hall, engr. Noted Feb. 3.

Ill., Chicago—See "Streets and Roads."

Neb., Harrop—Voted $163,000 bonds, constructing dam and 23 mi. ditch. W. McEatheron, Harrop, engr.

Texas — See "Unclassified under Land Development."

Tex., Eagle Pass—Maverick Co. Water Impvt. Dist. making surveys, etc., irrigating 100,000 acres. Election in October or November $3,000,000 or more bonds for same. W. L. Rockwell, Eagle Pass, co. engr. Noted Sept. 16.

Tex., San Benito—See "Unclassified."

Tex., Victoria—See "Dams."

Calif., Martinez—City Trustees take bids about Apr. 4, reclaiming 50 acres land. To exceed $25,000. A. W. Pioda, 110 Sutter St., San Francisco, engr.

Calif., Oakland—East Bay Municipal Utility Dist., Ray Bldg., plans Wildcat Aqueduct, 900 lin.ft. Plaza Tunnel, 28,330 lin.ft. 51 in., 19,340 lin.ft. 46 in., and 2,930 lin.ft. 36 in. pipe line, also 1,100 Wildcat tunnel; Sequoia Aqueduct, 22,000 lin.ft. 56 in., 30,000 lin.ft. 51 in. 2,700 lin.ft. 46 in., 11,100 lin.ft. 42 in. and 6,300 lin.ft. 30 in. pipe line, one 70 ft. high rein.-con. multiple arch type and one 75 ft. rolled earth fill type dams, incl. 4,300 cu.yd. concrete 113,000 lb. reinforcing, 131,000 cu.yd. rolled earth fill, etc.; Wildcat Reservoir; and Rockridge Reservoir, consisting 2 rein. con. Ambursen dam type, 40 and 45 ft. high, concrete, incl. 215,000 lb. reinforcing, 22,000 cu.yd. excav., 5,600 cu.yd. rein.-con. A. P. Davis, ch. engr. dist.

Calif., Pomona—Plans drainage for storm waters within city limits in northern district, Fulton Ave. continuation from La Verne Rd. and Cucamonga Ave. $60,000. F. C. Froehde, city engr.

Calif., San Rafael—Marin County and private interests, making estimates for rock fill to replace present bridge between Tiburon and Belvedere. $37,500 appropriated by private interests. R. E. Messner, co. surv.

Bids Desired

New York—Mar. 16, at office Dept. Pub. Wks., Div. Canals and Waterways, Albany, excavating in Mohawk River, Contr. M-28; T. F. Farrell, comr.; adv. E. N.-R. Mar. 10.

New York—Mar. 17, at office Dept. Pub. Wks., Div. Canals and Waterways, Albany, excavating in Mohawk River, Contr. M-29. T. F. Farrell, comr.; adv. E. N.-R. Mar. 10.

New York—Mar. 18, at office Dept. Pub. Wks., Div. Canals and Waterways, Albany, excavating canal channel in Hudson River, Contr. M-27. J. F. Farrell, comr.; adv. E. N.-R. Mar. 10.

New York—Apr. 1, by T. F. Farrell, comr. Canals & Waterways, State Pub. Wks. Bldg., Albany, furnishing and placing bank protection at various locations along Erie Canal, from Crescent to Frankfort. Contr. 234; adv. E. N.-R. Mar. 10.

N. J., Dover—Mar. 29, by Morris Canal & Banking Co., Arrow Bldg., improving Morris Canal. C. Vermeule, Dover and 38 Park Row, New York City, N. Y. Consult. and directing engr.; adv. E. N.-R. Mar. 10.

Miss., Pascagoula — See "Streets and Roads."

Ind., Winamac—Mar. 12, by L. Thompson, constr. comr. at office Reidelbach Bros. & Spangler, excavating 231,000 cu.yd. in Jasper and Pulasdki Counties.

Neb., Gothenburg—Mar. 16 (extended date), by Bd. Dirs. Thirty Mile Canal Co., W. Soller, pres., consulting 35 mi. main canal; 40 mi. laterals; necessary bridges, etc. C. A. Edwards, Gothenburg, consult. engr. Noted Mar. 3.

Calif., Proberta — Mar. 22, by A. L. Phillips, secy. El Campino Irrigation Dist., Contr. 1, drilling and 12- and 16-in. casing wells 22, 23 and 24; Contr. 2, furnishing and installing wells 22, 23 and 24; also Contr. 3, furnishing and installing approximately 62,000 lin.ft. concrete irrigation pipe, 8- to 16-in. dia. F. H. Tibbitts, Alaska Comn. Bldg., San Francisco, consult. engr.

B. C., New Westminster—Mar. 21, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing 4th Sect. North Jetty at Steveston, and dyke Annieville Bar, Fraser River, here.

Contracts Awarded

N. Y., Buffalo—Dredging 200,000 cu.yd., constructing 2,100 ft. steel and timber bulkheads, etc., in Park Lake, Delaware Park, to V. Schiavi, 57 Choate Ave., $244,600. Noted Feb. 17.

Ill., Savanna—Comrs. Savanna and York D. D., Carroll Co., 151,800 cu.yd. excav., to Matthews Bros., Erie, $21,233; 6,040 ft. 8- to 12-in. tile work, pumping equipment, etc., to Brennan Bros., Lansing, Ia., $5,989. Noted Jan. 20.

Tex., Houston — Port Comn., 520 lin. ft. creosoted timber bulkhead, etc., at Clinton Island, on Ship Channel, to Piling & Foundation Co., Bankers Mortgage Bldg., $31,903. Engrs. est. $60,000.

Calif., San Diego — La Jalla Shores Corp., La Julla, 2,200 lin.ft. sea wall and promenade, to R. E. Hazard Contg. Co., 2548 Kettner Blvd., $45,000.

Streets and Roads

Proposed Work

Mass., Boston—Plans reconstructing and widening Arlington St. To exceed $25,000. J. H. Sullivan, comr. Dept. Pub. Wks.

Mass., Boston — Plans sheet asphalt paving Maywood and Beech Glen Sts., Ward 11, $25,000. J. H. Sullivan, comr. Dept. Pub. Wks.

Mass., Charlestown (sta. Boston)—Dept. Pub. Wks., Boston plans sheet asphalt paving Cambridge St., here. To exceed $25,000. J. H. Sullivan, comr.

Mass., Roxbury (sta. Boston) — Dept. Pub. Wks., Boston, plans widening Dudley St., here. To exceed $25,000. J. H. Sullivan, comr.

Conn., Rockville—Plans 3 mi. new road between Broad Brook and here. $90,000. City will seek aid from state.

N. J., Elizabeth—Bd. Pub. Wks. making plans widening Jefferson Ave. $248,126. T. E. Collins, Elizabeth, engr.

Pa., Beaver—Beaver Co. election Mar. 29, $30,000 bonds constructing slag streets in Ohio Twp.

Pa., Pittsburgh — Soon takes bids grading, curbing, and paving Chartiers Ave. between Allendale and Jeffers Sts. $81,000. Bureau of Engineering, Dept. of Pub. Wks., engrs.

Pa., Waynesburg—Greene Co. plans election $125,000 bonds, constructing 6 mi. Greensboro Rd., Greene Twp. T. B. Dinsmore, Waynesburg, engr.

W. Va., Buckhannon — Voted $35,000 bonds, improving 4 streets, also sewer from Main St. to river. B. H. Simpson, Buckhannon, engr. Noted Feb. 10.

Ga., Brunswick—Glynn Co. voted $250,000 bonds, hardsurfacing 10 mi. Macon-Brunswick road, and 2 mi. Brunswick-Waycross Rd. Noted Jan. 6.

Miss., Meridian—Lauderdale Co. election soon $225,000 bonds, grading, graveling, etc., road from Newton Co. line east and west and Newton line to Union.

Miss., Gulfport—Harrison Co. soon takes bids grading and graveling 7 mi. Saucier-Riceville Rd., Beat 4, also 5 bridges, 900 ft. long on same road. W. S. Hawkins, Court House, engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 8 mi. Ozone-Roane Co. line Rd., Cumberland Co.; 8 mi. Baxter-Carthage Rd., Putman Co.; 10 mi. Calderwood-North Carolina State line Rd., Blount Co.; and 6 mi. Rockwood-Crossville Rd., Roane Co. C. N. Bass, highway comr.

Tenn., Covington—Tipton Co. plans election $1,000,000 bonds, improving road system.

Tenn., Dyersburg—Dyer Co. election Mar. 12, $1,000,000 bonds, improving 30 mi. roads.

Tenn., Livingston — Overton Co. plans surfacing, probably limestone base, 15 mi. Livingston-Fentress Co. line Rd. $30,000. Work will probably be done by tSate Highway forces and equipment. C. N. Bass, highway comr.

Tenn., St. Elmo (br. Chattanooga)—Election Mar. 31, $70,000 bonds, curbing, guttering and sidewalks on various streets. Noted Jan. 20.

Ky., Louisville—Bd. Park Comrs., City Hall Annex, soon takes bids concrete, rock asphalt, asphaltic concrete or sheet asphalt paving 4.5 mi. Southwest Parkway, 36 ft. Project divided into 5 sections. $300,000. W. J. Horrigan, Realty Bldg., engr.

Ky., Pineville—Plans paving and sewers in various streets. $25,000. Address Mayor. Engineer not selected.

O., Canton—Bd. Control soon takes bids probably asphalt repaving Market St. N. between 2nd and 6th Sts. $44,613. W. E. Sarver, City Hall, engr.

O., Canton—Leonard Agency Co., G. D. Harter Bank Bldg., soon takes bids grading, sewers and paving 22nd St. N. E. from Gibbs Ave. to St. Elmo St., and 24th St. from end present improvement east to St. Elmo St. $50,000. W. E. Sarver, City Hall, engr.

Ind., Evansville—Bd. Pub. Wks. plans concrete curbing, guttering, and rein.-con., brick, asphalt or asphaltic concrete paving Mary and Missouri Sts., Badger, Bellemeade and New York Aves. $100,000. A. Plafflin, city engr.

Ind., Vincennes—Bd. Wks. plans paving Dubois St. $35,186. Address City Clerk.

Mich., Detroit—Plans concrete, Medina or Amherst surbing and 3½ in. sheet asphalt on 8 in. concrete paving 90,650 sq.yd. 3 streets and 6 avenues. $444,800. P. A. Fellows, City Hall, engr.

Ill., Alton—Takes bids about April 15, grading, curbing, concrete paving, etc., 7,000 lin.ft. Alby St., 34 ft., $84,000; and concrete paving 3 blocks Market St., $12,019. J. E. Schwaab, City Hall, engr. Noted Mar. 3.

Ill., Cairo — Plans expending $260,000, paving various streets during 1927. G. F. Dewey, city engr.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., making plans improving 1.5 mi. Lake (now being filled in) from 23rd to 39th Sts., incl. paving same 70 ft. wide, electric lighting system, sewers, waterworks, etc.; paving 50th and 56th Sts. on filled in part, dredging and filling in Lake from 39th to 50th Sts. $1,500,000. L. White, 57th St. and Cottage Grove Ave., engr.

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Streets and Roads (Continued)

Wisconsin—J. Hantschel, clk. Outagamie Co., Appleton, plans selling $100,000 bonds, for county highways; H. S. Offerdahl, clk. St. Croix Co., Hudson, $140,000 bonds; E. H. Kuhlmann, clk Marathon Co., Wausau, $703,000 bonds; J. R. Harris, clk. Chippewa Co., Chippewa Falls, $487,000 bonds; J. J. Johnson, clk. Waushara Co., Wautoma, $128,000 bonds; I. B. Russell, clk. Kenosha Co., Kenosha, $250,000 bonds; and E. H. Martin, clk. Richland Co., Richland Center, $129,000 bonds.

Ia., Chelsea—Making preliminary plans grading, curbing, guttering and paving various types 18,351 sq.yd. various streets. $46,718. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Ia., Council Bluffs—Making preliminary plans grading, asphalt or concrete paving, etc. 40 blocks various streets. B. Walker, City Hall, engr. Noted Feb. 24.

Ia., New Market — Making preliminary plans grading, curbing, asphalt, concrete, asphaltic concrete, warrenite or brick paving 16,500 sq.yd. various streets. $40,000. Brown & Cook, 108 North Market St., Ottumwa, engr.

Ia., Oskaloosa — Mahaska Co. plans graveling 13 mi. Glendale-Barnes City Rd. R. H. Tumy, Oskaloosa, co. engr.

Ia., Ottumwa—Soon takes bids grading, curbing, 6 in. concrete paving, etc., 25,159 sq.yd. Dist. 1 $64,764, and $29,110 sq.yd. Dist. 2 $75,423; macadam paving 13,757 sq.yd. Dist. 3, $38,348; and concrete paving 27,628 sq.yd. Dist. 4, $73,613. Brown & Cook, 108 North Market St., engrs.

Ia., Russell—Plans 6 in. concrete paving 13,000 sq.yd. various streets. Brown & Cook, Ottumwa, engrs.

Ia., Sioux City—Soon takes bids grading, curbing, concrete, asphalt, brick, etc. paving 44,900 sq.yd. 1 alley, 24th, East 7th, West 1st Highland, Prescott, Leonard, Fawcett, 3rd and West 8th Sts., $93,489; also 12,884 ft. sewers in Morningside Dist., Pearl, Douglas, Pierce and 30th Sts. $12,-612. L. N. Hinton, City Hall, engr.

Ia., Williamsburg—Plans 6 in. concrete paving 44,500 sq.yd. various streets. $85,-000. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Minn., Austin — Making plans paving, etc., approximately 16,000 sq.yd. Oakland Ave. $40,000. F. R. Smith, city clk.

Minn., St. Paul—Making plans grading Otto Ave. extension between Edgecumbe Rd., Lexington and Pleasant Aves. $52,-000. G. M. Shepard, city engr.

Kan., Greensburg — Kiowa Co., made plans grading, etc. 9.376 mi. Federal Aid Project 305-C, 28 ft. A. E. Askins, Court House, engr.

Kan., Kansas City—Wyandotte Co. plans bituminous macadam paving 5.88 mi. Samuel Clark Rd. O. K. Williams, Kansas City, engr.

Kan., Marion—Marion Co. plans grading, etc., 8.507 mi. Federal Aid Project 47-B, 28 ft. C. M. Hartsock, Marion, co. engr.

Kan., Salina—Plans grading, curbing and concrete paving portions 9th, Crawford and Pacific Sts. To exceed $25,000. R. J. Paulette, City Hall, engr.

Neb., Fairbury — Making preliminary plans grading, curbing, concrete paving, etc., 9 blocks C St., in Dist. 15.

Neb., Gordon—City Clerk takes bids about Apr. 20, 6 in. concrete paving 10,000 sq.yd. various streets. $30,000. Henningson Eng. Co., 301 Natl. Bldg., Omaha, engrs.

Montana — State Hy. Comn., Helena, making plans grading and graveling 5 mi. Fromberg North Rd., Carbon Co., $40,000; 6 mi. Miles City-Jordan Project, Custer Co., $50,000; 6 mi. Baker East Project, Fallon Co., $50,000; 7 mi. Toole Co. Line East Project, Liberty Co., $50,000; 6 mi. Broadus North Project, Ponder River Co., $50,000; and 7 mi. Forsythe East Project, Rosebud Co., $55,000, all 24 ft. H. W. Holmes, ch. engr.

Mo., Huntsville — Defeated $750,000 bonds, improving various streets and county roads in Randolph Co. Noted Feb. 17.

Mo., Kansas City—Making plans alternate types paving various streets. $500,000. B. Waddell, city engr.

Mo., Plattsburg—Soon takes bids grading, rein.-con. paving, etc., approximately 9,000 sq.yd. various streets.

Mo., St. Joseph—Soon takes bids concrete paving Beattie St. between 13th and 18th Sts., $12,900; asphaltic concrete paving 9th St. betwen Pennsylvania Ave. and Mitchell St., $1,500; and asphalt paving approximately 6,100 sq.yd. Maple Leaf Ave., $18,290. W. M. Spann, City Hall, engr.

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Arkansas-Texas—City of Texarkana soon takes bids grading, curbing and concrete paving 43 blocks Spruce, 10th, 12th, 15th, 16th, 21st, 27th, and Pine Sts., Ward 3.

Ark., Searcy — Making preliminary plans grading, curbing, paving, etc., 48,000 sq.yd. streets in annex to Street Impvt. Dist. 6. $200,000. Ford & MacRea, 215 Gazette Bldg., Little Rock, engrs.

Texas—See "Unclassified."

Tex., Abilene—Taylor Co. making plans bituminous macadam paving 1.621 mi. Highway 1, 18 ft. $42,800. L. C. McCanlies, Abilene, co. engr.

Tex., Austin — Election soon $2,000,000 bonds grading, paving, sewers and bridges. O. E. Metcalfe, city engr.

Tex., Batesville—Zavalla Co. plans grading, bridging, etc., 8 mi. Highway 55, extending north from Dimmitt Co. line, $56,-000; also 8 mi. same road extending north from point 8 mi. from Dimmitt Co. line, $29,000, both 26 ft. G. M. Jowers, Batesville, engr.

Tex., Carthage—Panola Co. making plans grading 0.289 mi. and constructing overpass to eliminate railroad crossing on Highway 8, 26 ft. $29,700. D. E. Martin, Carthage, co. engr.

Tex., Cold Springs—San Jacinto Co. making plans grading, bridging and gravel surfacing, etc., 18.05 mi. Highway 45, 18 ft. $290,000. J. C. Ross, Cold Springs, co. engr.

Tex., Fort Worth—Tarrant Co. making plans brick paving 2.8 mi. Highway 1, 18 ft., $150,000; also grading, bridging and rein.-con. paving, etc., 4.24 mi. Highway 2, 26 ft., $25,660. D. A. Davis, Fort Worth, co. engr.

Tex., Galveston—Galveston Co. making plans grading, shouldering, and rein.-con. paving 3.33 mi. Highway 6, 18 ft., $175,400. C. C. Washington, Galveston, co. engr.

Tex., Groveton—Trinity Co. plans gravel surfacing 5.12 mi. Highway 94 from point 3 mi. east Apple Springs to Neches River, $64,000; also 10.34 mi. same road from point 8 mi. east Groveton to point 3 mi. east Apple Springs, $129,250. J. O. Booker, Lufkin, engr.

Tex., Houston—Harris Co. making plans paving 9 mi. Main St. Rd., 20 ft. $390,000. Howe & Wise, 1st Natl. Bank Bldg., Houston, engrs.

Tex., Matador—Motley Co. voted $250,-000 bonds gravel surfacing various roads. C. L. Glenn, judge, Matador. Noted Jan. 27.

Tex., Quanah — Hardeman Co. making plans grading and bridging 7 mi. Quanah-Childress Rd., Highway 5, $44,000. J. B. Nabors, Quanah, engr.

Tex., Quanah — Hardeman Co. making plans grading and bridging 8.1 mi. Highway 5. $25,000. J. B. Nabors, Quanah, engr.

Tex., Richmond—Ft. Bend Co. making plans 6 in. gravel, 6 in. crushed stone and 3 in. bituminous macadam paving 8.4 mi. Highway 3, 18 ft. $196,700. C. H. Kendall, Sugarland, co. engr.

Tex., San Antonio—Making preliminary plans widening and opening 500 ft. Ave. B. $35,000. Property owners donate land and share ⅔ expense and city ⅓. I. Ewig, city engr.

Tex., San Antonio—Making preliminary plans, etc. extending 5th St. City to pay ⅓ and property owners ⅔ of cost. I. Ewig, city engr.

Tex., San Antonio—Making preliminary plans grading, paving, etc., 5 blocks Hildebrandt St., 40 ft. $35,000. I. Ewig, city engr.

Tex., San Benito — F. M. Discus, c/o B. A. Elwing, engr., Harlingen, making plans road work in Venetian Estates, plot 2,500 acres south of here. $100,000.

Tex., San Benito—See "Unclassified."

Tex., Seymour—Baylor Co. making plans direct penetration bituminous paving 13.67 mi. Highway 30, 18 ft. $201,750. J. G. Rollins, Seymour, resident engr.

Tex., Texarkana—Takes bids latter part March, alternate types paving 35½ blocks various streets. $200,000. C. C. Christian, Corsicana, engr.

Tex., Vernon — Wilbarger Co. making plans rein.-con. paving 4.92 mi. Highway 28 $165,000, and 6.97 mi. Highway 5 $235,-000, both 18 ft. J. B. Nabors, Vernon, co. engr.

Tex., Wichita Falls—Wichita Co. election soon $1,750,000 bonds constructing roads. J. M. Isbell, Wichita, co. engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading, etc., 10 mi. State Road 38, 30 ft., Ellis Co. $30,000. J. M. Page, highway engr.

Okla., Chandler — Lincoln Co. election soon $900,000 bonds, improving various roads.

Okla., Chandler — Lincoln Co. election Mar. 29, $1,200,000 bonds, improving roads, etc.

Okla., Earlsboro—Plans grading, curbing and concrete paving 15,200 sq.yd. Main St. $60,000. F. J. Ingraham, mayor. Engineer not announced.

Okla., El Reno — Canadian Co. voted $1,000,000 bonds, improving various roads. J. M. Page, Capitol Building, Oklahoma City, highway engr. Noted Jan. 27.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 8,470 sq yd. 21st St. and Villa Ave. $44,772. B. M. Hart, City Hall, engr.

Okla., Wewoka — Making preliminary plans paving 20 blocks Dist. 9, 30 to 56 ft. $65,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Colorado—State Hy. Dept., Denver, made plans and soon take bids concrete paving, etc. 3 or 4 mi. Highway, Los Animos, $120,-000; 2 mi. Highway, Trinidad, $80,000, and making plans probably black top on black base paving 5 mi. Trinidad, $200,000. L. D. Blauvelt, Denver state hy. engr.

Colo., Pueblo — Pueblo Co. takes bids about Mar. 10, clearing, bridging, surfacing, etc. 5½ mi. Buelah-Rye Forest Service Highway, San Isabel Natl. Forest $25,000. Engineer of Forest Service, A. French, Federal Bldg., Pueblo, engr. in charge.

Colo., Pueblo—Takes bids about May 1, grading, curbing, guttering, sewers, and Warrenite bitulithic on 3 in. asphaltic concrete paving, etc. 18,000 sq.yd. Berkeley Ave. Paving Dist. $90,000. D. P. Gaymon, city engr.

Colo., Pueblo—Plans paving, etc. 20,000 sq.yd. Pine St. Paving Dist. $100,000. D. P. Gaymon, city engr.

California—Napa Co. (Napa) and Sonoma Co. (Santa Rosa), plan approximately 17 mi. road. $500,000. E. P. Ball, Napa, Napa Co. surv., and E. A. Peugh, Santa Rosa, Sonoma Co. surv.

California—State Hy. Dept., Sacramento, plans probably concrete paving roadway through Seal Beach, $55,000; and grading roadway linking between present termini of state highway at Serra, $85,000, both in Orange Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Corona—Plans grading, curbing, guttering, walks and oil macadam paving, etc. portions of 6th and 7th Sts., etc. $25,000.

Calif., El Cerrito—Plans curbing, walks and paving, etc. various streets. $700,000. R. L. Calfee, 221 South 22nd St., Richmond, engr.

Calif., La Mesa—City Trustees probably take bids about Mar. 22, curbing, paving, etc., Windsor Hills Tract. To exceed $125,000. M. E. Rumsey, city engr. Noted Mar. 3.

Calif., Montebello—L. Herr, city clk., rejected bids Jan. 25, grading, curbing, and vibrolithic concrete paving, etc. 759 sq.ft. portions Beverly Blvd. Will readvertise. Noted Feb. 10.

Calif., San Bernardino—Plans curbing, walks and asphaltic concrete paving, etc., Mill St., etc., $45,000 or more; also curbing, walks, concrete and asphaltic concrete paving Highland Ave., etc., to exceed $40,-000. C. E. Johnson, city engr.

Calif., San Diego—Common Council, cancelled contract for improving Columbia and Laurel Sts. Noted Feb. 17.

Calif., San Diego — Common Council, plans grading, curbing, walks and 6 in. asphaltic concrete paving 211,798 sq.ft. Logan Ave., and 5 in. asphaltic concrete paving 115,874 sq.ft. Long Branch Ave., and 7 in. asphaltic concrete paving, etc., 302,944 sq.ft. West Atlantic, Hancock Sts., etc. F. A. Rhodes, city engr. Noted Mar. 3.

Calif., San Francisco — Plans election $1,000,000 bonds, sidewalks and paving 4,200 ft. Bernal Cut Rd., 117½ ft. M. M. O'Shaughnessy, city engr.

Calif., Santa Barbara—Plans paving De La Vina St., to exceed $100,000; and curbing, paving, etc., San Andreas St. from Canyon Perdido St. to Cabrillo Blvd., $50,-000. C. W. Moore, city engr.

Calif., Santa Clara—Plans paving, etc., portions of Main and Franklin Sts., etc. To exceed $25,000.

Calif., Santa Monica—Plans paving approximately 2 mi. Palisades Beach Highway, 70 ft. To exceed $25,000.

Ont., Cornwall—Town Council soon takes bids permanent paving 3rd, 1st, York and Water Sts. $25,000.

Mexico—Mexican Hy. Dept., Mexico City, plans constructing various roads. 10,000,-000 pesos appropriated.

Streets and Roads (Continued)

Bids Desired

R. I., East Providence (br. Providence)—Mar. 22, at Town Clerks Office, grading, sewers, curbing and bank graveling 1,010 cu.yd. 8th, Potter and Martin Sts., Russell and Newman Aves. W. E. Smyth, council clk.

New York—Mar. 24, by A. W. Brandt, comr. Highways, Albany, improving highways in Otsego, Schuyler, and Steuben Counties; reconstructing highways in Columbia, Livingston, Wyoming, Madison, Monroe, Orleans, Rensselaer, Steuben, Sullivan and Wyoming Counties; adv. E. N.-R. Mar. 10.

New York—Mar. 22, by A. W. Brandt, comr. Highways, Albany, improving highways in Clinton, Essex, Rensselaer and Warren Counties; reconstructing highways in Chemung, Erie, Genesee, Franklin, Herkimer, Monroe, Niagara and Ulster Counties; adv. E. N.-R. Mar. 10.

N. Y., Rye—Mar. 16, at office W. H. Selzer, village clk., Municipal Hall, Purchase St., rein.-con. paving 0.3 mi. Highland Rd. from Apawamis Club north to Harrison line. J. A. Ehler, village engr.; adv. E. N.-R. Mar. 10.

N. Y., St. George—Mar. 16, by J. Lynch, pres. Richmond Boro, Boro Hall, grading, paving, etc. Wood Ave. from Amboy Rd., to Arthur Kill Rd.

Pennsylvania—Mar. 25 and 26, by State Hy. Comn., Harrisburg, rein.-con. paving, etc., approximately 38 mi. 15 projects in Allegheny, Berks, Blair, Bradford, Clarion, Fayette, Greene, Jefferson, Lehigh, Northampton, Somerset and Warren Counties. J. L. Stuart, secy. highways; adv. E. N.-R. Mar. 10.

Pa., Phila.—Mar. 15, by Dept. Pub. Wks., Bureau of Highways, Schedule A, grading 171,599 cu.yd. 36 streets; Schedule B, asphalt paving (assessment work) 67,351 sq.yd. 72 Ave. and 21 streets; Schedule C, improving 18,601 sq.yd. City, Godfrey, Vankirk, Weymouth and Pechin (country) Rds.; Schedule D, asphalt repaving 24,590 sq.yd. 10 streets; Schedule E, redressed granite block repaving 3,249 sq.yd. Alter, Dudley, Percy and 45th St. (track area); and Schedule F, paving and repaving 603 sq.yd. Mantua and Parrish Sts. G. H. Biles, dir.

Pa., Swissvale—Mar. 15, by H. D. Caldwell, boro secy., grading, 611 cu.yd. Milligan St.; grading, brick paving, etc., 1,096 sq.yd. Princeton Pl., and 1,171 sq.yd. Tonette St.; grading and 6 in. concrete paving, etc. 878 sq.yd. Woodstock Pl., 1,581 sq.yd. Newmeyer Ave., 1,663 sq.yd. Michigan Ave., and 1,138 sq.yd. Francis St. $100,000. A. Hutchison, Boro Hall, engr. Noted Mar. 3.

Md., Baltimore—Mar. 16, by Bd. Awards, sheet asphalt paving 8,550 sq.yd. streets listed in Contr. 386; and concrete paving 9,765 sq.yd. streets listed in Contr. 387. S. Purcell, City Hall, highway engr.

Virginia—Mar. 17, by State Hy Dept., Richmond **(F.A.P. means Federal Aid Project and S.A.P. means State Aid Project)**, grading, concrete surfacing, etc. 42,144 sq. yd. Route 13, F.A.P. 171-A, Essex Co.; clearing, grubbing, grading concrete paving, etc., 55,541 sq.yd. Route 31, F.A.P. 458-A, Henry Co., 67,367 sq.yd. Route 31, F.A.P. 467-B, Mecklenburg Co., 45,035 sq. yd. Route 31, F.A.P. 471-B, Brunswick Co., and 59,592 sq.yd. Route 31, F.A.P. 471, Brunswick Co.; clearing, grubbing, grading, etc. 33,097 cu.yd. Route 14, S.A.P. 395-B, Alleghany Co., also one 90 ft. steel truss and five 30 ft. concrete beam span bridge over Meherrin River, Route 31, F.A.P. 467-C, also one 37 ft. and ten 38 ft. rein.-con. beam span bridge over Roanoke River, Route 31, F.A.P. 471-C, both Brunswick Co. C. S. Mullen, highway engr.

W. Va., Clarksburg — Election Apr. 19, $500,000 bonds, improving streets. T. Lang, Clarksburg, engr.

Fla., Gainesville—Mar. 22, by Bd. Bond Trustees, Special Road & Bridge Dist. 1, Court House, grading, 140,900 sq.yd. 6 and 8 in. compacted lime paving various roads. H. L. Baker, dist. engr.

Fla., Green Cove Springs—Mar. 18, by City Comn., curbing guttering, and brick, concrete or Florida limerock paving 43,585 sq.yd. various streets. Shands Eng. Co., Green Cove Springs, engr.; adv. E. N.-R. Mar. 10.

Fla., Jasper — Mar. 15, at office P. S. Graham, city clk., grading, sewers, concrete paving, etc., 19,576 sq.yd. 5 streets and 3 avenues. Swank-Tanner Eng. Co., engrs.

Fla., Lake City—Mar. 15, by City Comn., curbing, guttering and Kentucky rock asphalt paving 26,222 sq.yd. various streets. C. E. Swank, city mgr.-engr.

Ala., Birmingham—Apr. 1, by City Comn., sidewalks and concrete paving 2 blocks 49th St., $8,770, 4 blocks 7th Ave. south and 7th Court south, $27,300; walks, guttering and 6 in. concrete paving 1 block 15th Ave., $5,670; and walks, guttering and 2 in. asphalt on 5 in. concrete paving 2 blocks Princeton Ave. $8,350. A. J. Hawkins, city engr.

Miss., Pascagoula — Mar. 21, by Road Protection Comn., F. H. Lewis, pres., sidewalks and paving 2 or more miles highway, also seawall.

Tennessee—Apr. 8, by State Dept. Highways & Pub. Wks., Nashville, grading, etc., 3.75 mi. Pressmens Home Rd., Hawkins Co., Route 2 from Cleveland to Charleston, Bradley Co., Route 34 from Morristown to Hawkins Co. line, Hamblin Co., Route 9 from Knox Co. to Campbell Co., Anderson Co., Route 7 from Knox to Roane Co., Loudon Co., 5.52 mi. Waverly-Gorham Rd., Humphreys Co., 6.34 mi. Erie-Humphreys Co. line Rd., Houston Co., 15.676 mi. Marton-Gibson Co. line Rd., Weakley Co., and 19.08 mi. Selmer-Henderson Rd., McNairy Co.; grading, overflow spans, etc., from Trimble to Obion, Obion Co.; grading, overhead bridges, and underpass Bulls Gap Rd., Hawkins Co.; paving 1 mi. Route 27, Hamilton Co., and Road 2 from point 5 mi. north to point 9 mi. south of Manchester, Coffee Co.; also bridge and approaches over Suee Creek, Meigs Co., bridge over Clinch River, Clairborne Co., bridge over Nashville, Chattanooga & St. Louis R.R. tracks near Chicamauga, Hamilton Co., bridges and culverts on Murfreesboro-Bedford Co. line Rd., Rutherford Co., bridge over Rock Creek on Pulaski Rd., Marshall Co., and bridge over Eagle Creek, near Clifton, Wayne Co. C. N. Bass, highway comr.

Kentucky—Apr. 14, by State Hy. Dept., Frankfort, bituminous surface treating 12.63 mi. roads in Bell Co., 10.78 mi. in Boyle Co., 8 mi. in Campbell Co., 3.8 mi. in Gallatin Co., 6.7 mi. in Henry Co., 6.8 mi. in Franklin Co., 7.9 mi. in Harrison Co., 18.7 mi. in Jefferson Co., 5.14 mi. in Lincoln Co., 13.924 mi. in Logan Co., 5.4 mi. in Madison Co., 10.09 mi. McCreary Co., 5 mi. in Mercer Co., 12.51 mi. in Montgomery Co., 29.05 mi. in Nelson Co., 7.1 mi. in Nicholas Co., 5.3 mi. in Pendleton Co., 12 mi. in Pulaski Co., 7.05 mi. in Rockcastle Co., 15.5 mi. in Scott Co., 7 mi. in Shelby Co., 4.3 mi. in Todd Co., 8.5 mi. in Warren Co., 2.55 mi. in Washington Co. and 7.31 mi. in Whitley Co. E. N. Todd, highway engr.

Kentucky—Mar. 31, by State Hy. Dept., Frankfort, grading, etc. 7.5 mi. Springfield-Lebanon Rd., Federal Aid Project 159-A and B, Washington and Marion Counties. E. N. Todd, highway engr.

O., Cincinnati—Mar. 14, by C. O. Sherrill, city mgr., grading, curbing, sidewalks and concrete repaving 1,485 ft. Losantiville Ave., 30 ft. $34,338.

O., Cleveland—Mar. 11, by City, stone and cement sidewalks in Northerly, Southerly, Westerly and West Park Dists. $150,000. R. Hoffman, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—Mar. 14, by City, brick or asphalt paving Lecona Dr., Edward, Edison, Oakhill, Alpine, Selwyn, Glynn and Taylor Rds. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Dayton—Mar. 17, by Comrs. Montgomery Co., F. A. Kilmer, secy., Dayton, macadam, concrete, rock asphalt, brick paving and surfacing, approximately 20,000 lin.ft. 28 streets and roads in Harrison, Randolph, Van Buren and Mad River Twps. $150,000. W. O. Pease, Court House, co. surv.

Ind., Crown Point—Mar. 21, by Comrs. Lake Co. constructing highway. $40,000. W. E. Whitaker, Crown Point, aud.

Ind., Peru—Mar. 12, by Comrs. Miami Co., graveling 15,257 ft. Charles E. King et al Rd. 13, Perry Twp., $14,630; and macadam paving 5,244 ft. Philip Miller et al Rd. 13, Deer Creek Twp., $10,250. G. Hostetler, Peru, aud.

Mich., Grand Rapids—Mar. 15, by Kent Co., one course graveling 3.957 mi. Lincoln Lake Rd., 16 ft. O. Hess, Grand Rapids, engr.

Mich., Hastings—Mar. 14, by Barry Co. Rd. Comn.. Court House, constructing approximately 9.276 mi. Class B gravel roads in Johnstown, Assyria, Baltimore, Maple Grove and Hastings Twps.

Mich., Mason—Mar. 15, by Ingham Co. Rd. Comn., North Cedar St, E. T. Elliott, chn., constructing 13.374 mi. Class B, 9 and 16 ft. gravel roads.

Mich., Paw Paw—Mar. 14, by Van Buren Co. Rd. Comn., constructing 3.9 mi. two-course Class B, gravel road, Hamilton Twp. Covert Rd. 51.

Mich., Paw Paw—Mar. 15, by Van Buren Co. Rd. Comn., constructing 5.3 mi. two-course Class B gravel road, 12 ft, Bangor and Geneva Twps. Covert Rd. 13.

Ill., Chicago—Mar. 15, by Board Local Impvts., Room 207, City Hall, grading, curbing, guttering, 6 in. concrete, 8 in. concrete asphalt, etc. paving portions 17 various streets and avenues. F. X. Rydzewski, vice.-pres.

Wisconsin—Mar 17, by State Hy. Comn., F. F. Mengel, div. engr., Citizens Natl. Bank Bldg., Wisconsin Rapids, **(F. A. P. means Federal Aid Project, S. P. means State Project, C. T. H. means County Trunk Highway and S. T. H. means State Trunk Highway)**, grading and concrete paving, etc.. 111,257 sq.yd. S. T. H. 18, F. A. P. 446-A and S. P. 4362, Waupaca Co., S. T. H. 18, F. A. P. 446-B, Winnebago and Waupaca Counties. S. T. H. 95, S. P. 4363, 6,402 sq.yd. S. T. H. 76, S. P. 4375, Waupaca Co.; 18,469 sq.yd. Main and State Sts., Village of Iola, S. T. H. 49 and 161, S. P. 4361, Waupaca Co., 7,557 sq.yd. Main St., Village of Scandinavia, S. T. H. 49, S. P. 4361; and grading, graveling, etc., 15,550 cu.yd. S. T. H. 49, S. P. 4361.

Wisconsin—Mar. 18, by State Hy. Comn. H. J. Kuelling, state highway engr., H. W. Vroman, div. engr., Div. Office 2, Stephenson Bldg., Milwaukee, 20 ft. concrete paving, etc., 80,022 sq.yd. Federal Aid Project 439-A, Racine Co.; and 19,657 sq.yd. Federal Aid Project 349-D, Milwaukee Co.

Ia., Cedar Rapids — Mar. 17, at office Auditor Linn Co., improving County Road 17, 35,146 cu.yd. excav., 17,400 sta.yd. overhaul, 552 ft. 12- to 30-in. culvert pipe, etc. A. F. Miller, co. engr.

Ia., Iowa City—Mar. 15, at office Auditor Johnson Co., improving 6.769 mi. Lower Muscatine Rd., County Project 2, 6,769 cu. yd. stone or gravel f.o.b. cars Iowa City, 6,769 cu.yd. 1 mi. haul, 57,335 units ½ mi. haul, 4.82 mi. Lone Tree-Columbus Junction Rd., County Project 8, 45,130 cu.yd. excav., 30,898 sta.yd. overhaul, 976 ft. culvert labor, and 2.998 mi. Lone Tree-Nicholas Rd., 25,748 cu.yd. excav., 32,189 sta.yd. overhaul and 530 ft. culvert labor. G. M. Griffith, Iowa City, co. engr.

Ia., Sioux City — Mar. 16, by R. Nash, city clk., various types paving 14,500 sq.yd. 3rd St. $23,362-$31,736; and 15,750 sq.yd. West 8th St., $31,156. L. N. Hintgen, City Hall, engr. Noted Mar. 3.

Ia., Winterset—Mar. 25, at office Auditor Madison Co., improving 11.6 mi. Primary Project 465, 12,310 cu.yd. material shipped in, as one alternate, and 16,066 cu.yd. material based on local gravel or stone, 12.42 mi. Primary Project 466, 13,460 cu.yd. gravel or crushed stone surfacing, or 11,-703 cu.yd. local crushed stone and 5,744 cu. yd. shipped in material, and 3.17 mi. in Secondary Dist. 1, 3,840 cu.yd. gravel and 89,040 units, ½ mi. haul.

Kan., Lawrence—Apr. 15, by City Clerk, grading, curbing, concrete paving, etc., 20 blocks various streets. C. T. Hough, City Hall, engr.

Kan., Mound City — Mar. 31, by Clerk Linn Co., grading, concrete, brick or bituminous macadam surfacing, etc., 77,-769 sq.yd. Federal Aid Project 109-A, 58,-197 sq.yd. Sect. B, 75,656 sq.yd. Sect. C, and 24,189 sq.yd. Sect. D. C. E. Kenney, Mound City, co. clk.

Nebraska—Mar. 17, by Dept. Pub. Wks., at office Division Engineer, Scottsbluff, grading, etc., 9,000 cu.yd. Bayard East and West Project S. A. 236-K, 17,000 cu.yd. Scottsbluff-Minatare Project S. A. 236-L; furnishing, pumping and screening 5,000 cu.yd. Class A gravel, Scottsbluff-Mitchell Project S. A. 236-M; 1 car load treated lumber f.o.b. Scottsbluff and 1 car load f.o.b. Crawford, 1 car load posts and piling f.o.b. Minatare; and improving Bridgeport-Angora Project S. A. 242-K, 2,000 cu. yd. solid rock and 500 cu.yd. earth excav. R. L. Cochran, Lincoln, state engr.

N. D., Minot—Apr. 4, by G. A. Reishus, city aud., alternate types paving, etc., 63,-235 sq.yd. various streets. $239,706. W. W. Peterson, city engr. Noted Jan. 13.

Tex., Beaumont—Mar. 15, by O. J. Bloyd, city mgr., grading, bridging, concrete, sheet asphalt, bitulithic or willite paving various avenues. $400,000. R. C. Black, city engr.

Tex., Brownsville — Mar. 18, by City, permanent paving 196 blocks 38 streets, 40-60 ft. $350,000. A. Tamm, city engr.

Tex., Brownsville — Mar. 18, by City, Parsley, judge, Young Co., grading, bridging, etc., 12.612 mi. Highway 67, 26 ft. $80,000. G. R. Johnston, Graham, co. engr.

Tex., Olney—Mar. 18, by G. R. Johnston, engr., grading and bridging 12.61 mi. Highway 67, Young Co. $95,000. Noted Feb. 10.

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Streets and Roads (Continued)

Colorado—See "Bridges."

Calif., Los Angeles—Bd. Pub. Wks., taking bids curbing, guttering, walks, asphaltic concrete and concrete paving, etc. Glassell Ave. between Verdugo and San Fernando Rd.; and probably concrete paving roadway between Griffith Park and Newhall by way of San Fernando Valley. To exceed $50,000. J. Shaw, city engr.

Calif., Oceanside — Mar. 23, by City Trustees, grading, curbing, walks and 6 in. rein.-con. paving 151,180 sq.ft. The Strand, etc. R. L. Loucks, city engr. Noted Feb. 24.

Calif., Riverside—Mar. 21, by Supervs. Orange Co., grading and paving, etc., Road Impvt. Dist. 18. To exceed $95,000. J. F. Davidson, 646 West 7th St., Riverside, engr.

Calif., San Diego — Common Council, taking new bids, concrete curbing, sidewalks, etc., N St. $57,933. Former bids rejected. F. A. Rhodes, city engr. Noted Jan. 27.

Calif., San Francisco—Mar. 16, by Bd. Pub. Wks., grading, curbing and paving, etc., Grand View Ave., etc. $50,000. M. M. O'Shaughnessy, city engr. Noted Mar. 3.

Calif., San Luis Obispo—Mar. 28, by C. M. John, city clk., curbing, walks and 6 in. concrete paving 349,658 sq.ft. Morro, Palm Sts., etc. L. W. Moore, city engr.

Calif., Santa Ana — E. L. Vegely, city clk., taking new bids surfacing and 6 tons rock and oil macadam paving, etc., various streets. Former bids rejected. Noted Mar. 3.

Ont., Toronto—Mar. 26, by R. W. Phillips, secy., Toronto and York Roads Comn., 57 Adelaide St. E. 25 mi. waterbound macadam, bituminous penetration macadam and bituminous surfacing on concrete paving roads in York Co. also bridges, $300,000. Engineer not selected. Noted Mar. 3.

Contracts Awarded

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block paving Bway., to J. M. Meehan & Son, 90 West St. $256,941, and 3rd Ave. to Asphalt Constr. Co., 2197 Madison Ave. $255,171; sheet asphalt paving Bway., to W. J. Fitzgerald, 547 West 45th St. $51,523, and railroad area, to Cleveland Trinidad Paving Co., Flushing, $43,885. Grand total $607,520. Noted Mar. 3.

Pa., Pittsburgh — Repaving Braddock Ave. and Bayard St., to M. O'Herron Co., South 1st and McKean Sts., $34,896. Engrs. est. $40,000.

Pa., Pittsburgh—Comrs. Allegheny Co., grading, concrete paving, etc., 834 ft. approach to Liberty Bridge over Monongahela River, Contr. 1, to Booth & Flinn Ltd., Forbes St., $366,173.

Virginia—State Hy. Comn., Richmond, concrete surfacing 8.5 mi. Alberta Rd., Route 31, Brunswick Co., to Roberts Paving Co., Salisbury, Md. $309,819, 4.79 mi. South Hill Rd., Route 31, Mecklenburg Co., to Hudson & Scruggs, Inc., Norfolk $159,177, 3.3 mi. Altavista Rd., Route 14, Campbell Co., to Jenkins Constr. Co., Norton $140,344, 4.41 mi. Petersburg Rd., Route 35, Prince George Co., and 5.3 mi. Hurt Rd., Route 14, Pittsylvania Co., to C. S. Luck & Sons, 1617 Brook Rd., Richmond, $125,929 and $125,614 respectively; also rein.-con. bridge over Otter River, Route 14, Campbell Co., to J. M. Ogden, Sr., Evington $24,809. Grand total $885,692. Noted Feb. 3.

North Carolina—State Hy. Dept., Raleigh, grading, sheet asphalt on concrete paving 1.83 mi. Project 356, New Hanover Co., to Hudson & Scruggs, Wilmington, $38,085; grading and sand asphalt paving 10.1 mi. Project 6780, Scotland Co., to P. R. Ashby & Co., Laurinburg, $160,043; grading and concrete paving 11.32 mi. Project 598, Rockingham Co., to Wilson Constr. Co., Rutherfordton $277,598, and 10.01 mi. Project 121, Currituck Co., to F. J. McGuire, Norfolk, Va., $211,224; also clearing, grubbing, grading, etc. 6.84 mi. Project 393 Robeson Co., to Jamison Bros., Inc., High Point, $32,500. Grand total $719,450. Noted Mar. 3.

Ga., Thomasville—D. R. Hay, mayor, and City Council, City Hall, grading, curbing, sewers, guttering, concrete sidewalks and concrete, brick or asphalt paving 123,100 sq.yd. various streets, to Wesco Constr. Co., Volunteer Life Bldg., $369,000. Noted Feb. 3.

Fla., Gainesville — G. H. Cairns, city engr., paving Highlands Heights, to Municipal Paving & Constr. Co., $47,989.

Miss., Booneville — Grading, curbing, concrete paving, etc., various streets, to

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Southern Roads Co., 104 North 17th St., Birmingham, Ala., $58,000.

Miss., Gulfport—Harrison Co., to Southern Paving Co., Volunteer Life Bldg., Chattanooga, Tenn., 2 in. warrenite on concrete paving 31,650 sq.yd. East Beach Blvd. $73,178, 2 in. warrenite paving 45,000 sq.yd. West Beach Blvd. $99,564, and 8,200 ft. West Beach Blvd. 18- to 42-ft. $67,766. Grand total $240,508. Noted Feb. 3.

Tenn., McKenzie—Grading, curbing and sheet asphalt paving 36,500 sq.yd., and concrete paving 50,000 sq.yd. various streets, to Carey-Reed Co., Lexington, $233,105. Engrs. est. $269,000. Noted Jan. 27.

Kentucky—State Hy. Dept., Frankfort, **(F.A.P. means Federal Aid Project and S.A.P. means State Aid Project)**, grading, etc. 5.415 mi. Albany-Tennessee State Line Rd., F.A.P. 161-A, Clinton Co., and 6.25 mi. Monticello-Albany Rd., S.A.P. 27-A, Wayne Co., to R. H. Bolling, Norton, Va., $59,766 and $88,852 respectively, 8.108 mi. Pikeville-Whitesburg Rd., F.A.P. 127-C, Pike Co., to Southerland Bros. Clintwood, Va. $118,124, 7.296 mi. Central City-Drakesboro Rd., S.A.P. 15-A, Mullenberg Co., and river gravel surfacing 3.075 mi. Owensboro-Beech Grove Rd., S.A.P. 76-B, Daviess Co., to Yewell & Ellis, Owensboro, $105,857 and $18,267 respectively; bituminous macadam surfacing 5.657 mi. Lawrenceburg-Harrodsburg Rd., F.A.P. 160-A, Anderson Co., and 6.675 mi. Harrodsburg-Lawrenceburg Rd., F.A.P. 160-B, Mercer Co., to B. W. Gorham Co., Lexington $138,736 and $144,101 respectively; bank gravel surfacing 4.824 mi. Bardwell-Wickliffe Rd., F.A.P. 131-C, Carlisle Co., to H. L. Smith, Sturgis, $35,646, 6.961 mi. Clinton-Bardwell Rd., F.A.P. 131-E, Hickman Co., to W. F. Robinson, Owensboro $72,670, and 3.835 mi. Beech Grove-Owensboro Rd., S.A.P. 76-B, McLean Co., to Corum Bros., Madisonville $23,269; waterbound macadam surfacing 2.55 mi. Carlisle-Moorfield Rd., S.A.P. 61-A, Nicholas Co., to Jessamine Constr. Co., Nicholasville, $48,109, and concrete surfacing 7.088 mi. Georgetown-Williamstown Rd., F.A.P. 115-B, Scott Co., to J. F. Stambaugh, Ada, O., $185,169. Grand total $1,038,566. Noted Dec. 16.

O., Akron—W. F. Peters, dir. Pub. Serv., grading, curbing, walks and repressed brick paving 2,950 sq.yd. North Bway., also Mexican asphalt and Hillside brick paving, etc. 5,560 sq.yd. Crouse St., to Columbus Asphalt Paving Co., 304 Buckeye Bldg., $20,767 and $35,700 respectively. Engrs. est. $26,700 and $40,000 respectively. Noted Feb. 17.

O., Wooster—Comrs. Wayne Co., grading and concrete paving 3 mi., Co. Rd. 95, to Holmes Constr. Co., Wooster, $80,349.

Ind., Indianapolis—Comrs. Marion Co., one course concrete paving, etc., 10,616 sq.yd. G. C. Wildman Rd., to McCoun Constr. Co., Noblesville, $27,463. Engrs. est. $31,232. Noted Feb. 10.

Ind., Richmond—Bd. Wks., asphalt paving National Rd., to Andrews Asphalt Paving Co., Richmond, $25,611.

Ill., Highland Park—Improving Ravinia Highland and First addition to Ravinia Highlands Pavement, Special Assessment 310, to E. A. Meyer Constr. Co., Highland Park, $227,137. Engrs. est. $266,040. Noted May 13.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 168, Sect. 114, to Kerr & Murphy, Bloomingdale, Ind., $135,000; and grading Route 168, Sect. 115-A, to S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., $48,024, both Fulton Co. Noted Jan. 27.

Ill., Chicago — Bd. Local Impvts., Room 207, City Hall, removing trees, grading, removing present curbing and curbing, guttering, and sheet asphalt on 8 in. concrete paving portions North Ashland Ave., to White Paving Co., 1735 Fullerton Ave.; grading, curbing, guttering and asphalt on 6 in. concrete paving portions East 82nd St. and East 85th Sts., to American Asphalt Paving Co., 133 West Washington St., portion Kimball Ave., to Contracting & Material Co., 42 East Pearson St., portion South State St., to R. F. Conway Co., 844 Rush St.; grading, curbing, guttering, 8 in. concrete paving, etc. portion South Karlov Ave., to Hedges Constr. Co., 64 West Randolph St., portion South La Vergne Ave., to R. B. Anderson, 625 North Kedzie Ave., portions, West 104th Pl., West 104th and West 105th Sts., South Campbell, South Maplewood and South Talman Aves., to Ready & Callaghan Coal Co., 133 West Washington St., portions Drummond Pl., Nevada St., South Levergne, Le Claire, Wrightwood, Parker and Schubert Aves., to J. A. McGarry & Co., 4556 Patterson Ave.; grading, curbing, guttering, 6 in. concrete paving, etc. portions 51st Pl., Jame[illegible] St. and South Hoyne Ave., to Central Paving Co., 179 West Washington St.; removing old pavement, curbing, etc. curbing, guttering, grading, 10 in. concrete paving, etc. portion South Chicago Ave., to Calumet Coal Co., 9022 Commercial Ave.; grading and 7 in. concrete paving roads ways of Public Alleys, to Paramount Constr. Co., 107 North Clark St. and to J. Dillon & Co., 2953 South Halsted St.

Wisconsin—State Hy. Comn., c/o O. C. Rollman, Nicolet Bldg., Green Bay, div. engr., **(F. A. P. means Federal Aid Project)**, grading and graveling 10.37 mi. F. A. P. 392-C, Brown and Oconto Counties, to Schuster Constr. Co., Denmark, $32,978; 4.18 mi. F. A. P. 392-B, Marinette Co., to C. Johnson, Oshkosh, $114,295; and 2.23 mi. F. A. P. 441-A, Shawano Co., to Cherney Constr. Co., Francis Creek, $75,344. Grand total $513,617. Noted Feb. 3.

Wis., Madison—J. R. Caldwell, highway comr. Dane Co., to C. M. Straavaldson, Madison, grading and graveling, etc., 4,586 cu.yd. County Project 150-08 $11,010, 2,957 cu.yd. C. P. 152-12 $8,002, 1,120 cu.yd. S. T. H. 73 $1,120, and 3,200 cu.yd. S. T. H. 30 $4,608; to F. R. Hyland, Stoughton, 1,600 cu.yd. S. T. H. 138 $2,480, to J. S. Karlslyst, Stoughton, 1,600 cu.yd. S. T. H. 113 $3,200, to A. W. Gallagher, Madison, 4,400 cu.yd. S. T. H. 113 $5,940, to G. Hughes, Highland, 3,200 cu.yd. S. T. H. 12 $4,000, to R. A. Foll, Deerfield, 5,200 cu. yd. C. T. H. S and M $5,148, to E. M. Koenig, Sauk City, 500 cu.yd. C. T. H. N $275, and to T. Ayen, 2,950 cu.yd. County Project D-164-27 $14,343; to P. T. Fess, Madison, 20 ft. concrete paving, etc., 64,372 sq.yd. Cambridge-Madison Rd. $163,425, and to A. J. Kramp, Berlin, 132,902 sq.yd. Edgerton-Stoughton Rd. $337,799. Grand total $561,350. Noted Feb. 17.

Wis., Racine — E. R. Fischer, comr. Racine Co., and H. W. Vroman, div. engr. Wisconsin Hy. Comn., at Court House, 18 ft. concrete paving, etc., 36,052 sq.yd. Raymond-North Cape Rd., Job 2687, to L. L. Tindall, Waterford, $93,132. Noted Feb. 24.

Ia., Cedar Rapids—Linn Co., to J. H. Miller & Son, Kellogg, improving county road system, 78,308 cu.yd. excav. at $0.24 per cu.yd., 1,954 ft. 12- to 18-in. culvert labor $0.20, and clearing right-of-way $1,517, to Moore & Eldridge, Clemons, 7,200 cu.yd. gravel 1 mi. haul $0.39, and 131,200 units ½ mi. haul $0.07.

Ia., Clarence—For 7 in. concrete paving 17 blocks various streets, to Western States Paving Co., Davenport, $30,361. Noted Mar. 3.

Ia., Iowa City — Johnson Co., gravel or stone surfacing 15 mi. road, to Deweese & Whitney, Springville, $42,883. Noted Feb. 17.

Kan., Council Grove—Morris Co. grading and concrete paving 1.179 mi. Federal Aid Project 257-A and B, 18 ft., to Geiger & Rutherford, Leavenworth, $33,924. Noted Feb. 10.

Kan., Newton—Grading, curbing, guttering and brick on gravel paving 17,833 sq. yd. various streets, to Stanton & Wallace, Leavenworth, $56,568. Noted Jan. 13.

Mo., St. Joseph—Concrete paving, etc., 23rd St. between Lafayette and Pennsylvania Aves., and 26th St. between Mulberry and Faraon Sts., to Judson Eng. & Constr. Co., 1811 Faraon St., $5,697 and $5,761 respectively; asphaltic concrete paving, etc., Sylvanie St. between 16th and 20th Sts., to Land Constr. Co., Ballinger Bldg. $5,808 and Isadore St. between Dewey Ave., and 3rd St., to Metropolitan Paving Co., Donnell Ct., $5,409; concrete paving alley between 18th and 19th, Felix and Edmond Sts., to Koch Constr. Co., 1823 Frederick Ave. $935, and 18th St. between Sacramento and Mulberry Sts., to Reinert Bros. Constr. Co., 1208 North 5th St. $3,594; grading, etc., alley between 22nd and 23rd Sts., Mitchell and Penn Aves., to J. F. Buis, Mertland Apartment, $181; also rein.-con main relief sewer in Dewey and Highland Aves., to Industrial Heating & Plumbing Co., 103 South 4th St., $10,368, and main sewer from Missouri Ave. N.E. along Chicago, Rock Island & Pacific R.R. tracks to Division Ave., to O. H. Schmidt, Bartlett Bldg., $9,683. Grand total $47,436.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Alfred Lewald, Inc., 6025 West Cabanne Ave., rein.-con. paving, etc., 365 sq.yd. Brannon Ave., $1,776; to Eyermann Contg. Co., 1216 South Grand Blvd., concrete paving, etc., 1,930 sq.yd. Compton Ave. $6,209, and rein.-con. paving, etc., 4,590 sq.yd. Hamburg Ave. $22,108, to Perkinson Bros. Constr. Co., 3237 Carter Ave., 1,065 sq.yd. Frederick St. $5,033, and asphalt paving, etc., 1,465 sq.yd. Oregon Ave. $9,305; to Skrainka Constr. Co., Security Bldg., rein.-con. paving, etc., 2,355

Streets and Roads (Continued)

sq.yd. Herbert St. $9,043, and 2,430 sq.yd. Oleatha Ave. $10,890; to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., asphaltic concrete paving, etc., 1,035 sq.yd. Graham St. $5,726, 2,460 sq.yd. Magnolia Ave. $12,430, asphalt paving, etc., 1,470 sq.yd. Harney Ave. $8,742, 1,275 sq.yd. Murdock Ave. $7,492, and 1,730 sq.yd. Nebraska Ave. $9,054; to C. A. Moreno, Inc., Syndicate Trust Bldg., asphalt paving, etc., 2,815 sq.yd. Moellenhoff St., $20,811; to Central Paving & Constr. Co., 6161 Maple Ave., warrenite bitulithic paving, etc., 2,000 sq.yd. Lambdin Ave., $15,233; and to Webb-Boone Paving Co., 5103 Fyler Ave., warrenite paving 5,325 sq.yd. Lynch St., $33,526. Grand total $158,648. Noted Feb. 3.

Ark., Benton—Grading, Bates type concrete paving, etc., 15,942 sq.yd. Paving Dist. 1, to T. A. Rosamong & Son, Ouachita St., Hot Springs, $31,886.

Ark., Hope—Warrenite on concrete paving 21,276 sq.yd. Paving Dist. 6 and 11,400 cu.yd. grading, 14,418 sq.yd. concrete gutters, 23,955 ft. concrete curbing, 1,970 ft. 12- to 24-in. culvert pipe, etc., in Paving Dist. 2, to Kaw Paving Co., New England Bldg., Topeka, $103,748. Noted Jan. 13.

Ark., North Little Rock—Grading, curbing and concrete paving 16,000 sq.yd. Arkansas-Missouri Highway Impvt. Dist., to Kelliher Constr. Co., Home Insurance Bldg., Little Rock, $43,774.

Tex., Amarillo—For 3 in. vitr. brick on 5 in. concrete paving 6,815 sq.yd. North 3rd St. from Grant to Houston Sts., and 4,224 sq.yd. North 3rd St. from Buchanan to Grant Sts., to Willmering & Mullen, Amarillo, $25,362 and $15,361 respectively; for 8 in. gravel surfacing, etc., 4,200 sq.yd. North 13th and South Lincoln Sts., to Amarillo Constr. Co., Amarillo, $11,849; curbing, guttering, grading and brick paving, etc., 7,513 sq.yd. North 3rd from Houston St. to Sect. line, to Texas Road Co., Santa Fe Bldg., Dallas, $28,341. Grand total $80,913.

Tex., Houston—Grading Navigation Blvd., Wayside Dr., Ave. S, and Memphis St., to A. M. Arnold & Co., Summer and Elder Sts., $119,460. Engrs. est. $140,000.

Tex., San Benito—For 6 in. rein.-con. paving 33,000 sq.yd. various streets, to Dodds & Wedegartner, San Benito, $108,949; and 48,000 sq.yd. various streets, to Harris, Spaulding & Ranney, San Benito, $146,223, engrs. est. $150,000.

Okla., Blackwell—Concrete paving alley in Block 93, West Florence and East Bridge Aves.; brick paving West Bridge Ave., all in Paving Dist. 35, to O. T. Tyler, Blackwell, $60,203.

Wash., Kelso—Cowlitz Co., rock riprapping and placing sheer booms on 4 mi. Ocean Beach Highway, to Brookfield Quarry & Towing Co., Astoria, Ore., $31,770.

Wash., Tacoma—Concrete paving, etc., 34,107 sq.yd. South 14th, 15th, 16th, 17th, 18th and 19th Sts., known as L. I. D. 4232, to Paine, Gallucci & Milone, Tacoma, $82,641. Engrs. est. $122,114. Noted Nov. 11.

Calif., Los Angeles — Bd. Pub. Wks., grading, curbing, walks and concrete and asphaltic concrete paving, etc., 5th St. between Flower and 6th Sts., to Lewis Constr. Co., Delta Bldg., $51,543. Noted Mar. 3.

Calif., Los Angeles—Bd. Pub. Wks., grading and concrete paving, etc. 88,152 sq.ft. 101st St., to G. H. Oswald, 366 East 58th St. $25,099, and Museum Dr., to Curtis Paving Co., 2440 East 26th St. $221,679; also grading, concrete and asphaltic concrete paving, etc. 23rd St., to E. L. Fleming, 144-A Brand Blvd., Glendale, $40,909. Grand total $287,687. Noted Mar. 3.

Calif., Los Angeles—Supervs. Los Angeles Co., guttering, walks, rock and oil surfacing, etc. Connecticut St., etc., Impvt. 542, to C. D. Soteras, Story Bldg., approximately $56,825. Noted Mar. 3.

Calif., Los Angeles—Los Angeles Co., grading and concrete paving, etc. Lancaster-Wilsonia Rd. Impvt. 290, to H. E. Cox & Son, Slavin Bldg., Pasadena, $140,570; and First St., Impvt. 205, to H. & P. Constr. Co., 5553 South Western Ave., $174,222. Noted Feb. 24.

Calif., San Diego—Supervs. San Diego Co., to H. H. Peterson, Spreckels Bldg., improving Churchward St., 182,900 sq.ft. 6 in. concrete paving at $0.235 per sq.ft. 34,383 sq.ft. concrete sidewalk $0.19, 7,742 lin.ft. concrete curbing $0.65 etc., total $91,103. Noted Feb. 17.

Calif., San Diego—Bd. Supervs. San Diego Co., to United Concrete Pipe & Constr. Co., Los Angeles, improving Alton Dr., etc. in Monterey Heights, 24,281 cu.yd. excav. at $0.65 per cu.yd., 16,840 sq.ft. 5 in. concrete paving $0.24, 15,573 lin.ft. 8 in. concrete curbing $0.70, 77,475 sq.ft. concrete sidewalk $0.19, 245,407 sq.ft. 5 in. concrete paving $0.20, etc., total $135,605. Noted Feb. 17.

Calif., San Diego—San Diego Co., improving Tia Juana Blvd., Hall Ave., Alverson and Smythe Rd., etc., to J. T. Worthington, 335 South 22nd St., $36,374; and Highland Sq., to K. S. Heath, $56,404.

Calif., Santa Cruz—S. A. Evans, city clk., grading, concrete paving, etc. Lower Plaza, Front and Locust Sts., etc., to P. Petersen, (Keystone Constr. Co.), 729 Brannan St., San Francisco, $142,459. Noted Mar. 3.

Buildings—Commercial

Proposed Work

Me., Westbrook—HOME—S. W. Manchester Post Amer. Legion, L. Goff, chn. com., having preliminary plans prepared by J. P. Thomas, 537 Congress St., Portland, 3 story and basement, brick, here. $150,000.

N. H., Concord—HOME—New Hampshire State Hospital, C. H. Dollof, supt., plans male attendants home. To exceed $150,000. Engineer and architect not selected.

Mass., Boston — APARTMENT — 172 Beacon St. Inc., R. A. Nordblom & Co., 79 Milk St., having plans prepared by C. R. Greco, 11 Beacon St., 2 story and basement, 50 x 150 ft., brick and steel, plain foundation, 172-174 Beacon St. $750,000.

Mass., Boston — APARTMENT — W. I. Schill, 73 Tremont St., having preliminary plans prepared by S. S. Eisenberg, 46 Cornhill, 5 story and basement, brick and stone, plain foundation, 401 Beacon St. To exceed $150,000.

Mass., Boston — HOSPITAL—Massachusetts Osteopathic Hospital, c/o J. W. Beal Sons Co., archt. 185 Devonshire St., having plans prepared 2 story and basement, brick and stone, plain foundation, Evergreen St. and South Huntington Ave. $150,000.

Mass., Boston — SURGICAL — Faulkner Hospital, 1153 Center St., Jamaica Plain, takes bids about Apr. 1, 4 story and basement, 45 x 150 ft., brick, plain foundation, $150,000. C. T. Thayer, 89 Franklin St., Boston, archt. Noted Oct. 21.

Mass., Cambridge (Boston P. O.) — APARTMENT—Harvard Housing Trust, c/o Kilham, Hopkins & Greeley, archt., 9 Park St., Boston, having preliminary plans prepared 3 story and basement, irregular shaped, brick and stone, Shady Hill and Kirkland St. $500,000.

Mass., Lynn — APARTMENT — M. H. Gottlieb, 2 Rogers Ave., having plans prepared by E. Earp, 333 Union St., 4 story and basement, brick and stone, plain foundation, Brightwood Terrace, $160,000.

Mass., Medford (br. Boston)—THEATRE—Silverman & Kramer, 191 Merrimack St., Haverhill, plans brick and steel theatre, High St. $150,000. Engineer and architect not selected.

Mass., Worcester—HOSPITAL—Worcester City Hospital, Pub. Building Dept., City Hall, plans addition for surgical purposes. $475,000. Engineer and architect not selected.

R. I., Cranston (mail Providence)—HOSPITAL—State of Rhode Island, State House, Providence, plans criminal insane hospital, at State Prison, $160,000, state hospital $250,000, and state infirmary, $265,000, all brick and steel. Engineer and architect not selected.

R. I., Exeter—WARD—State of Rhode Island, State House, Providence, plans ward building Exeter School and improving other buildings, brick and steel. $175,000. Engineer and architect not selected.

Conn., Danbury—HOTEL—Hotel Green, J. Harris, 198 Main St., had plans prepared by Sunderland & Watson, 248 Main St., 7 story, 64 x 122 ft., brick and steel addition. $300,000.

Conn., Hamden (br. New Haven)—BANK, STORE and OFFICE—Hamden Bank & Trust Co., having plans prepared by Norton & Townsend, 405 Temple St., New Haven, 2 story and basement, 85 x 110 ft., brick and steel, Dixwell Ave. $200,000.

Conn., Torrington — APARTMENT — North Shore Properties, 114 Amity St., Flushing, N. Y., having plans prepared by A. J. Thomas, 2 West 46th St., New York City, three 3 story and basement, brick, here. $750,000.

N. Y., New York—APARTMENT—F. L. Lavenberg, c/o Sommerfield, & Sass, archts., 31 Union Sq., having plans prepared 6 story, brick, steel and stone, plain foundation, Goerick St. $300,000.

N. Y., New York—APARTMENT—Cooperative Constr. Corp., c/o Turner & Bowden, archts., 15 East 40th St., soon takes bids 15 story, brick, steel and stone, plain foundation, 49th St. $500,000. Noted Nov. 25.

N. Y., New York—APARTMENT—Morwin Corp., M. Winik, pres., having plans prepared by L. A. Abramson, 46 West 46th St., 6 story, brick, steel and stone, plain foundation, 24 Grove St. $200,000.

N. Y., New York — POST OFFICE, GARAGE and SHOP — New York Post Service Station, Inc., J. Gleason, secy., 65 Bway., having plans prepared by H. A. Koelble, Bible House, Astor Pl., 3 story, rein.-con., brick and steel, plain foundation, 33rd and 34th Sts., 10th and 11th Aves., $500,000. U. S. Government, Treas. Dept., H. New, Postmaster, Wash., D. C., lessee.

N. J., Bayonne — HOSPITAL and NURSES HOME—Bayonne Hospital, East 30th St., L. F. Donahue, chn., takes bids about Mar. 15, 4 story, brick, steel and stone, plain foundation. $500,000 and $150,000 respectively. Crow, Lewis & Wick, 200 5th Ave., New York City, archts. Noted Jan. 20.

N. J., Camden—WAREHOUSE—L. B. Rothschild, archt., 215 South Broad St., Phila., Pa., soon lets contract 8 story and basement, 62 x 208 ft., rein.-con., brick and steel, plain foundation, New White Horse Pike and Colt Ave., here, for Security Storage Warehouse Corp., c/o architect. Noted Feb. 17.

N. J., East Orange—CITY HALL—City, L. E. Rowley, clk., having plans prepared by Purdy & Henderson, 45 East 17th St., New York City, N. Y., brick, steel and stone, plain foundation, Arlington Ave. $200,000. J. H. and W. Ely, Firemen's Bldg., Newark, engrs.

N. J., Newark—BANK and OFFICE—Natl. Newark & Essex Banking Co., 752 Broad St., having plans prepared by York & Sawyer, 100 East 40th St., New York City, 26 story, brick, steel and stone, plain foundation, Broad St. from Clinton to Commerce Sts. $4,000,000.

Pa., Phila. — APARTMENT — A. J. Sauer Co., archts., Schaff Bldg., making plans 14 story and basement, 126 x 349 ft., rein.-con., brick and steel, plain foundation, 69th and Chestnut Sts. $2,750,000. Owner's name withheld.

Pa., Phila.—APARTMENT—Owner, c/o W. L. Charr, archt., Victory Bldg., having plans prepared 4 story and basement, 44 x 162 ft., rein.-con., brick and steel, plain foundation, 806-8 Pine St.

Pa., Phila.—APARTMENT—Owner, c/o J. C. Carroll, archt., 1619 Chestnut St., having plans prepared 4 story and basement, 35 x 106 ft., brick and steel, plain foundation, 42nd and Ludlow Sts.

Pa., Phila. — HOSPITAL — Hahnemann Hospital, W. E. Herring, pres. bd. trustees, 15th and Vine Sts., having plans prepared 17 story and basement, E shaped, rein.-con., brick and steel, plain foundation, Broad and Vine Sts. $2,000,000. H. H. Marshall, 37th St. and Lexington Ave., New York City, N. Y., engr.

Pa., Phila.—HOTEL—C. E. Oelschlayer, archt., 1615 Walnut St., preparing plans 20 story and basement, 80 x 116 ft., rein.-con., brick and steel, plain foundation, Carlisle and Pine Sts. $1,000,000. Owner's name withheld.

Del., Wilmington—OFFICE—Bd. Directors of Incorporation, soon take bids 7 story and basement, brick, steel and rein.-con., plain foundation, Delaware Ave. and Jefferson St., for Wilmington Medical Arts Bldg. $300,000. Peebles & Ferguson, Law Bldg. Norfolk, Va., archts.

Miss., Gulfport—HOTEL—L. E. Deutsch & E. Milgrim, Gulfport and Gary, Ind., takes bids about Apr. 1, 6 story, 100 x 100 ft., rein.-con., tile, wood piling foundation, 14th St. and 26th Ave. $500,000. N. W. Overstreet, Mississippi Fire Bldg., Jackson, archt. Noted May 27.

Miss., Jackson—HOSPITAL—Mississippi Building Comn., R. L. Brown, secy., soon takes bids second group, incl. 1 story dining hall, also hospital, receiving building, 4 cottages and officials building, all foregoing 2 story, rein.-con. and brick, on State Prison Farm. $600,000. N. W. Overstreet, Mississippi Fire Bldg., archt.

Tenn., Cleveland — HOTEL — Cherokee Hotel Co. plans 75 room hotel. $170,000.

Tenn., Nashville — APARTMENT — Gainesboro Apartment Co., A. Landis, pres. Indiana Life Bldg., having plans prepared by Dougherty & Gardner, Cotton States Bldg., concrete, brick and stucco, 3405 West End Ave. $200,000.

Constr. News page 155

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Buildings—Commercial (Continued)

Ky., Louisville — MEMORIAL — Louisville Memorial Comn., Board of Trade Bldg., having plans prepared by Carrere & Hastings, 52 Vanderbilt St., New York City, and E. T. Hutchings, 418 South 5th St., 3 story and basement, marble, granite and bronze metal, 4th and Kentucky Sts. $1,000,000.

O., Cincinnati—APARTMENT—Schwartz Realty Co., Provident Bank Bldg., having plans prepared by O. Schwartz, Provident Bank Bldg., 5 story and basement, rein.-con. and brick, plain foundation, Erie Ave. $200,000.

O., Cleveland—APARTMENTS—W. P. Panke, 1315 Edwards Ave., Lakewood, had plans prepared two 3 story and basement, one 55 x 106 ft., and other 55 x 133 ft., brick, East 73rd St. north of Euclid Ave. $200,000. Private plans.

O., Cleveland — APARTMENT — J. E. Sague, 2087 Abington Rd., Cleveland Heights, had plans prepared by H. T. Jeffrey, 3259 Dorchester Rd., Cleveland Heights, 3 story and basement, 60 x 126 ft., brick, 2030 Cornell Rd. $175,000.

O., Cleveland — COMMERCIAL and APARTMENT—Jaffe Bros., c/o H. Jaffe, 10004 Somerset Ave., having preliminary plans prepared by M. Weis, 1836 Euclid Ave., brick, steel and concrete, East 89th St., and Carnegie Ave., $150,000.

O., Cleveland—WAREHOUSE—Ohio Bell Telephone Co., R. P. Eide, genl. mgr., 4300 Euclid Ave., having plans prepared by Christian, Schwarzenberg & Gaede, 1900 Euclid Bldg., 5 story and basement, 100 x 200 ft., brick and rein.-con., along New York Central R.R. tracks at Woodland Ave. $350,000.

O., Columbus—BANK—Citizens Trust & Savings Bank, Gay and High Sts., having plans prepared by Snyder & Babbitt, and H. Heistand, 16 Broad St., 2 story and basement, 40 x 150 ft., brick, stone and concrete, East Tower St. $150,000.

O., Columbus — STORAGE GARAGE — Natl. Columbus Garages, Inc., Gay and High Sts., having plans prepared 5 story and basement, 163 x 187½ ft., brick, steel and concrete, Town and Pearl Sts. $700,000. Private plans.

O., Mansfield — OFFICE — Vernon Redding and assoc. archts., soon let contract, 3 story and basement, 52 x 134 ft., brick, steel and concrete office, for Humphrey Mfg. Co., $150,000.

O., Youngstown — BANK — Directors Dollar Savings & Trust Co., Central Sq., soon take bids 2 story and basement addition, Commerce St. $150,000.

Ind., Michigan City—HOTEL and COUNTRY CLUB—Pottawattomie Park Club, F. R. Warren, pres., having preliminary plans prepared by D. Klafter, 201 East Ontario St., Chicago, Ill., Beech Hotel, 100 rooms, and country club. $1,000,000.

Mich., Detroit — APARTMENT — J. B. Book, Jr. Corp., Book Bldg., having plans prepared by L. Kamper, Kamper Bldg., Cass Ave., 16 story and basement, 200 x 300 ft., rein.-con., brick and steel, plain foundation, Jefferson Ave. $5,000,000.

Mich., Detroit — APARTMENT — Lane Davenport & Peterson, archts., 1017 Charlevoix Bldg., takes bids about Mar. 10, 4 story and basement, 100 x 100 ft., brick and steel, plain foundation, Oakman Highway. $300,000. Owner's name withheld.

Mich., Detroit—OFFICE—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., and Donaldson & Meier, archts., 1314 Penobscot Bldg., take bids about Mar. 10, 45 story and basement, rein.-con., brick and steel, concrete caisson foundation, Fort and Griswold Sts., for Murphy Estate, Penobscot Bldg. Noted Dec. 9.

Mich., Flint — HOTEL — Frankay Corp. having plans prepared by C. N. Agree, 1140 Book Tower Bldg., Detroit, 8 story and basement, 200 room, rein.-con., brick and steel, plain foundation, Detroit St. and 3rd Ave. $500,000.

Mich., Grand Haven—THEATRE—Butterfield Theatres, Inc., c/o C. W. Brandt, archt., Kresge Bldg., Detroit, having plans prepared 2 story, 60 x 132 ft., rein.-con., brick and steel, plain foundation. $175,000.

Ill., Chicago—HOTEL—Lindblad & Carlson, archts., 155 North Clark St., soon take bids 4 story and basement, 100 x 176 ft., brick, stone and terra cotta, plain foundation, 63rd and Troy Sts., for J. Rabinovitz, c/o architects. $450,000.

Ill., Chicago — THEATRE — United Artists Corp., 729 7th Ave., New York City, having plans prepared by C. H. Bettis & C. Howard Crane, 32 West Randolph St., remodeling old Appollo Theatre into movie theatre, Randolph and Dearborn Sts., here. $500,000.

Ill., Chicago — WAREHOUSE — A. Epstein, archt., 2001 West Pershing Rd., prepared plans and takes bids about Mar. 15, 3 story and basement, 90 x 250 ft., rein.-con. and brick, 3651 Iron St., for Walgreen Co., 744 Bowen Ave. $250,000.

Ill., Murphysboro — COURT HOUSE — Jackson Co. takes bids about Apr. 1, 3 story and basement, rein.-con., brick and stone court house. $350,000. N. S. Spencer & Son, 25 East Jackson Blvd., Chicago, archts. Noted Jan. 27.

Mo., Kansas City—BUSINESS—Browning, King Clothing Co., 11th and Grand Sts., having plans prepared by Hoit, Ferris & Barnes, 800 Finance Bldg., 4 story and basement, rein.-con. and brick business building. To exceed $150,000. Noted June 3.

Mo., St. Louis—CITY AUDITORIUM—Bd. Pub. Serv., 208 City Hall, had preliminary plans prepared by Memorial Plaza Comn., engrs. and archts., 208 City Hall, 4 story and basement, 322 x 490 ft., rein.-con., brick, stone, steel and Bedford stone, Plaza. $5,000,000.

Mo., St. Louis — CLUBHOUSE — Westwood Country Club, Lockwood Ave. and Berry Rd., Glendale, purchased site and plans 2 story, rein.-con., brick and stone clubhouse, incl. swimming pool, and 18 hole golf course, etc., Ballas and Conway Rds. $300,000. Noted Feb. 24.

Mo., St. Louis — North Side Y.M.C.A., Grand and Sullivan Aves., having preliminary plans prepared by Wedemeyer & Nelson, Wainwright Bldg., 6 story and basement. 50 x 150 ft., also 2 story top addition to present building, both rein.-con., brick and stone, Grand Ave. near Sullivan Ave. $250,000.

Ark., Little Rock — OFFICE — G. W. Donaghey, New Donaghey Bldg., soon takes bids 8 or 10 story and basement, 70 x 140 ft., rein.-con., brick and stone, Main and Markham Sts. Private plans.

Okla., Tulsa—HOSPITAL—Morningside Hospital, c/o M. J. McNultey, 905 Cincinnati St., soon takes bids 4 story and basement, rein.-con., brick and stone. $150,000. P. W. Redlick, Stillwater, archt.

Nev., Carson City—STATE HOSPITAL—State plans election $160,000 bonds, kitchen and commissary addition, incl. heating and lighting system, here.

Calif., Berkeley—THEATRE and STORE—Corporation (being organized) having preliminary plans prepared by W. H. Ratcliff, Jr., Chamber of Commerce Bldg., fireproof, Ashby Ave. and Adeline St. $300,000.

Calif., Beverly Hills—LODGE—Masonic Hall Assn., c/o H. E. Werner, designer, 357½ Beverly Dr., plans 3 or 4 story, brick lodge.

Calif., Big Bear Tavern—HOTEL—Reynolds Lipner Corp., 412 Commercial Exch. Bldg., Los Angeles, had plans prepared by G. Burnett and J. V. Koester, Petroleum Securities Bldg., Los Angeles, 3 story and basement, 120 x 165 ft., rein.-con., here. $175,000.

Calif., Hollywood — APARTMENTS — J. T. Payne, archt., Western Mutual Bldg., Los Angeles, soon takes bids, 4 story and basement, 70 x 122 ft., brick apartment. $150,000. Owner's name withheld.

Calif., Inglewood—BANK and OFFICE—Bank of Inglewood, having plans prepared by W. L. Campbell, Title Insurance Bldg., Los Angeles, 2 story (ultimately 4 story) and basement, 50 x 100 ft., rein.-con. bank and office building. $150,000.

Calif., Long Beach — OFFICE, STORE and LODGE ROOM—Long Beach Labor Assn., c/o W. W. Smith, archt., 1242 Kenniston Ave., Los Angeles, having plans prepared 3 story and basement, brick, Locust Ave. $150,000.

Calif., Los Angeles — APARTMENT — Owner c/o Ray Bldg. and Finance Co., 606 South Western Ave., preparing plans 5 story and basement, brick, South Normandie Ave. $175,000.

Calif., Los Angeles — APARTMENT — Flower St. Income Properties Co., c/o C. C. Frye, archt., Grosse Bldg., had plans prepared, 4 story and basement, 60 x 150 ft., rein.-con., Flower St. $150,000.

Calif., Los Angeles—APARTMENT—B. Kagan, 2205 5th Ave., having plans prepared by C. W. Powers, Hibernian Bldg., 5 story and basement, brick and steel, South New Hampshire St. $150,000.

Calif., Los Angeles—HOSPITAL—Lincoln Hospital Assn., c/o Krempel & Erkes, archts., Bradbury Bldg., having plans prepared 2 story and basement, rein.-con., South Soto St. $150,000.

Calif., Los Angeles — HOTEL — Blackstone Hotel Co., c/o Kenneth MacDonald, Jr., Spring-Arcade Bldg., having preliminary plans prepared, approximately 12 story, 100 x 165 ft., 9th St. and Bway.

Calif., Los Angeles—HOTEL—S. Silbert, 319 South McCadden Pl., having plans prepared by L. Selden, 519 Byrne Bldg., 4 story and basement, brick hotel, 1st and Rampart Sts. $150,000.

Calif., Los Angeles — HOTEL and APARTMENT—J. T. Payne, archt., Western Mutual Life Bldg., prepared plans 4 story and basement, 85 x 150 ft., brick and concrete, southwest section city. $150,000. Owner's name withheld.

Calif., Los Angeles—OFFICE—Los Angeles Investment Co. having plans prepared by Walker & Eisen, Western Pacific Bldg., 12 story, 110 x 120 ft., rein.-con., Bway. between 10th and 11th Sts. To exceed $150,000.

Calif., Los Banos—THEATRE and HOTEL—E. B. Stone, c/o C. H. Jensen, archt., Santa Fe Bldg., San Francisco, having plans prepared 3 story, rein.-con. theatre and hotel, here. $200,000.

Calif., Morro Bay — HOTEL — E. G. Tobais, et al., 1835 Wilcox St., Hollywood, plans fireproof hotel. $250,000.

Calif., Oakland — APARTMENT — A. Young, archt., 339 15th St., soon takes bids 6 story and basement, rein.-con., Lake Merritt Dist., for V. A. Dunn, c/o archt. $165,000.

Calif., Oakland — LOFT — Montgomery-Ward Co., 2825 East 14th St., having preliminary plans prepared, annex to exceed 3 story, rein.-con., East 14th St. To exceed $150,000. Engr. Dept. of owners, engrs.

Calif., San Bruno — CLUBHOUSE — Capucchino Golf Corp., c/o Grimes & Scott, archts., 77 O'Farrell St., San Francisco, had plans prepared 2 story and basement, frame and stucco clubhouse. $150,000.

Calif., San Francisco — APARTMENT — Nineteen Forty Vallejo St., Inc., c/o C. Werner, archt., 605 Market St., had plans prepared, 11 story and basement, steel and rein.-con., Vallejo St.

Calif., San Francisco—BALLROOM—Mark Hopkins Hotel, Mason and Pine Sts., having plans prepared by Weeks & Day, 315 Montgomery St., approximately 90 x 120 ft., fireproof, Mason and Pine Sts. $150,000 or more.

Calif., San Francisco—LOFT and OFFICE—Ideal Realty Co., 46 Kearny St., had plans prepared by V. Buckley, 525 Underwood Bldg., 10 story and basement, rein.-con. and steel, Howard and 2nd Sts. $350,000.

Calif., San Francisco—WAR MEMORIAL and OPERA HOUSE—City and San Francisco Co. plan election $4,000,000 bonds, war memorial and opera house, using granite facing cost $5,700,000 or terra cotta facing $4,700,000. Citizens donated $1,800,000 toward cost.

Calif., San Pedro—CITY HALL—City having plans prepared by C. O. Brittain, supt. Los Angeles Municipal Constr. Dept., 7 story, 100 x 117 ft., rein.-con., 7th St. and Harbor Blvd. $440,000.

Calif., Santa Monica — HOSPITAL — Santa Monica Hospital having plans prepared by F. Webster, Hollywood Guaranty Bldg., Los Angeles, 4 story, brick and rein.-con., annex, 16th St. and Arizona Ave. $150,000.

Que., Montreal—STORE—Hudson Bay Co. Ltd., Winnipeg, Man., having plans prepared departmental store, St. Catherine St., here. $3,000,000. Private plans. Noted Dec. 16.

Que., Rouyn — COURT HOUSE — Pub. Wks., Quebec, J. A. Galipeaulh, minister plans court house, here. $150,000. J. Lacrinx, Quebec, archt.

Que., Quebec — HOTEL — J. Crepeau, Clarendon Hotel, plans 100 room hotel addition, St. Ann St. $150,000.

Ontario — PARLIAMENT BUILDINGS, HOSPITALS, etc.—Ontario Legislature, Ottawa, plans additional accommodations, equipment and furnishing new eastern block parliament buildings, Queens Park, Toronto, $330,000, improvements, alterations and extensions Ontario Hospital, Kingston, $126,000, new building to accommodate 300 patients, Ontario Hospital, Woodstock, $100,000, Ontario Reformatory addition, Guelph, $75,000, new training college for technical teachers, Hamilton, $100,000, new jail, North Bay, $50,000, and new jail, Sudbury, $50,000. Grand total $831,000.

Ont., Kingston—THEATRE—A. Weller, Capitol Theatre, Belleville, plans theatre, here. $150,000.

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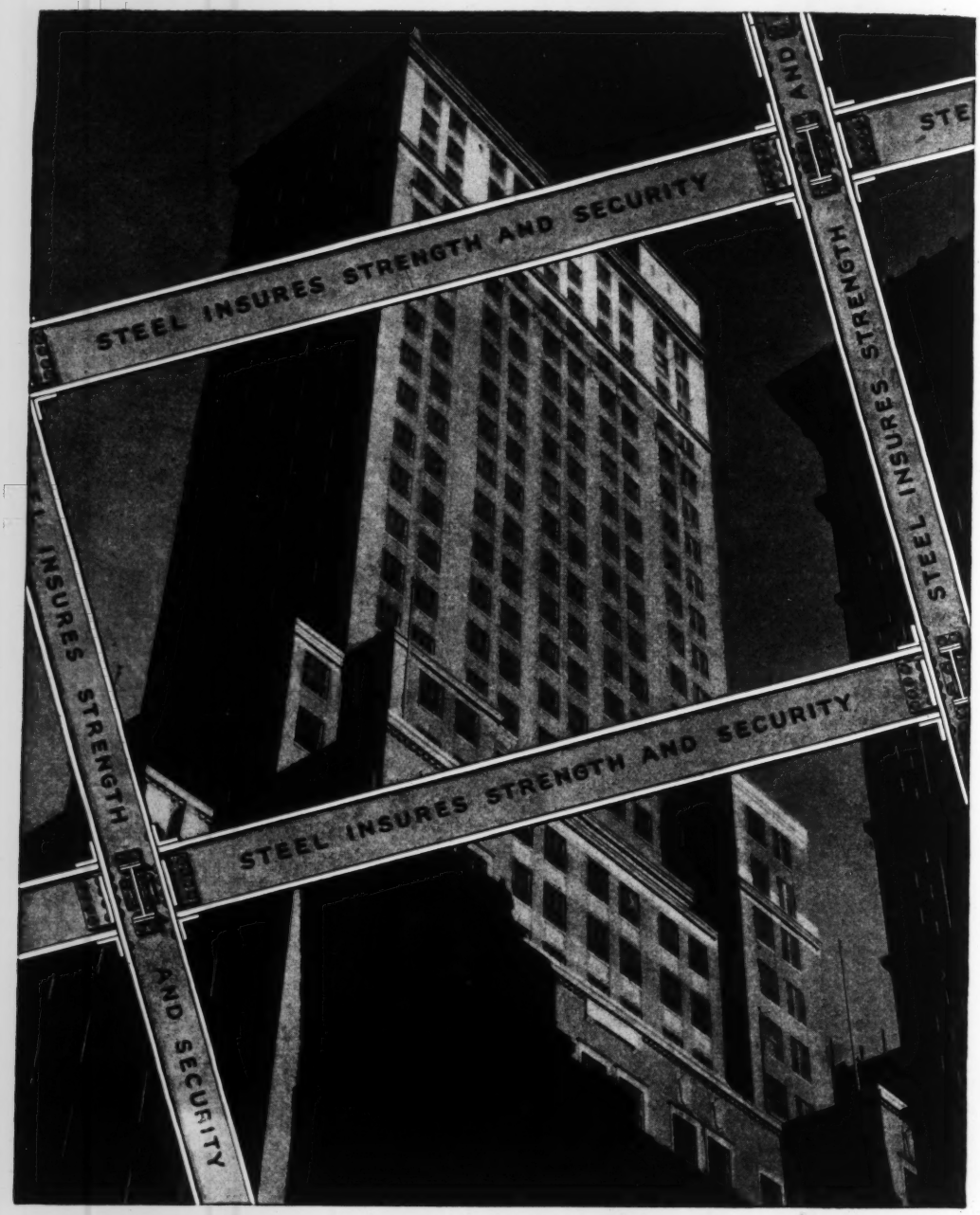
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Buildings—Commercial (Continued)

Ont., Newmarket—HOSPITAL—Hospital Bd. having plans prepared by Craig & Madill, 96 Bloor St. W., Toronto, 3 story and basement, concrete, brick, steel and stone hospital, here. $150,000.

Ont., Toronto — APARTMENT — W. Fidgeon, 41 Nairn Ave., having plans prepared by Kaplan & Sprachman, 305 Dundas St. W., 3 or 4 story, rein.-con., brick and steel, plain foundation, Bway. Ave. $150,000.

Ont., Saulte Ste Marie—HOTEL—Windsor Hotel Co. plans 3 story and basement, rein.-con., brick and steel addition, plain foundation. $175,000-$200,000. Engineer and architect not selected.

Bids Desired

Mass., Brighton (Boston P. O.) — APARTMENTS—Brunswick Realty Trust, 3 Lothian Rd., taking new bids two 3 story and basement, brick, plain foundation, 15-17 Lothian Rd. $150,000. J. C. Foley, 1064 Washington St., Boston, archt. Former contract rescinded. Noted Feb. 24.

Mass., Dorchester (Sta. Boston)—STORE and OFFICE—H. A. Kerner, 749 Dudley St., taking bids 3 story and basement, 70 x 100 ft., brick and stone, plain foundation, 761-767 Dudley St., $150,000. F. A. Norcross, 46 Cornhill, Boston, archt. Noted Mar. 3.

Mass., Fall River — APARTMENT — Adaskin Realty Trust Co., Inc., E. Adaskin, pres., 1191 Highland Ave., taking bids 4 story and basement, 2 wings, brick and stone, plain foundation, Locust and High Sts. $150,000. S. Dubinsky, South Main St., archt.

Conn., Meriden—TEMPLE—Mar. 22, by Masonic Temple Assn., 104 East Main St., 3 story, 70 x 100 ft., brick, steel, stone and marble, East Main St. $200,000. W. T. Arnold, Journal Bldg., archt. Noted Mar. 3.

N. Y., New York—APARTMENT—See "Contracts Awarded."

Pa., Jenkintown—SALES and SERVICE—Mar. 7, by C. L. Caspary, archt., 1510 Chestnut St., Phila., 2 story and basement, 26 x 141 ft., rein.-con. and brick, plain foundation, Old York Rd., for Cale Chevrolet Co., Old York Rd.

Pa., Narberth—THEATRE—See "Contracts Awarded."

Pa., Phila.—APARTMENT—See "Contracts Awarded."

Pa., Phila.—AUTO SHOW ROOMS—See "Contracts Awarded."

Ind., Anderson—APARTMENT—Apr. 1, by Stebbing Realty Co. or E. F. Miller, archt., Anderson, 3 story, 72 x 108 ft., rein.-con., plain foundation, 12th and Lincoln Sts. $200,000. Noted Mar. 3.

Ill., Evanston—APARTMENT HOTEL—P. A. Danielson, archt., 1569 Sherman Ave., taking bids 7 story and basement, 66 x 180 ft., rein.-con., brick and stone, 1625 Hinman Ave., for Homestead Apartment Hotel Co., c/o architect. $750,000.

Tex., Corpus Christi—HOTEL—Mar. 28, by J. E. Poulos & Bros., c/o Mecca Cafe, San Antonio, 6 story and basement, rein.-con. and brick, plain foundation, $300,000. H. T. Phelps, c/o Hicks Bldg., San Antonio, archt. Noted Oct. 7.

Calif., Glendale—BANK and OFFICE—Dodd & Richards, archts., Brack-Shops Bldg., Los Angeles, taking bids 6 story and basement, 50 x 150 ft., rein.-con., Brand Blvd. and Bway. bank, for Pacific Southwest Realty Co., c/o archts. $350,000.

Calif., San Francisco — GARAGE — O'Brien Bros., 315 Montgomery St., taking bids, 4 story and basement, rein.-con. garage, Lathan Pl., for Vukicevich & Lacey, Hearst Bldg. $200,000.

Calif., San Francisco—HOSPITAL—L. J. Devlin, archt., Pacific Bldg., taking bids, 3 story and basement, brick and steel, Masonic Ave. near Ellis St., for Roman Catholic Archbishop of San Francisco. $200,000.

Ont., Toronto—EXHIBITION—Mar. 22, by T. Foster, mayor, City Hall, 1 story, concrete, brick, steel and stone, for Canadian Natl. Exhibition and Royal Winter Fair, $700,000. J. J. Woolnough, City Hall, archt. Noted Jan. 20.

Contracts Awarded

Me., Augusta — STORE — Green Stores, Inc., c/o Krokyn & Browne, archt., 220 Devonshire St., Boston, Mass., altering and constructing 9 story and basement addition, to C. E. Hoxie, Augusta. Archts. est. $150,000.

Mass., Boston—FIRE STATION—City, 3 story and basement, 65 x 100 ft., brick, granite and limestone, plain foundation, Warrenton St., to J. B. Dolan, 43 Tremont St., $210,550. Noted Mar. 3.

Mass., Boston—MERCANTILE BUILDING—G. A. Dill, 73 Tremont St., 6 story and basement, 90 x 110 ft., brick and plain foundation, 25 Stuart St., to Lane & Co., 6 Mechanic St. Archts. est. $150,000. Private plans.

Mass., Somerville (Boston P. O.)—BANK—Somerville Natl. Bank, J. E. Gentron, pres., 15 Bow St., altering and constructing 2 story and basement, rein.-con., brick and steel addition, to C. S. Patten, 137 West Emerson St., Melrose. Archts. est. $150,000.

Mass., Stoneham — BANK — Stoneham Trust Co., E. M. Hamlin, pres., altering and constructing, 1 story and basement, rein.-con., brick and steel addition, plain foundation, to A. P. Rounds, Main St., Archts. est. $150,000. Noted Mar. 3.

Mass., Waverley (br. Boston)—STORE and OFFICE—C. M. Kaplan, c/o H. Chisholm, arch., 46 Cornhill, Boston, 3 story and basement, 60 x 120 ft., brick and cast stone, plain foundation, Trapello Rd. to C. Betts, 7 Slade St., Belmont. Archts. est. $150,000 or more. Noted Dec. 2.

Mass., Westfield — HOME — Noble Hospital, H. W. Ely, pres., 3 story and basement, brick and stone, plain foundation, nurses home addition, to J. G. Roy & Sons, 21 Silver St., Springfield. Archts. est. $150,000.

Mass., Worcester — BANK — Peoples Savings Bank, G. A. Gaskill, pres., 1 story and basement, brick, steel and rein.-con., plain foundation, addition, to E. J. Cross Co., 82 Foster St. Archts. est. $150,000. Noted Jan. 18.

Mass., Worcester — HORTICULTURAL HALL — Worcester Horticultural Society, M. Converse, chn., 1 and 2 story and basement, brick and stone, plain foundation, Elm and Chestnut Sts., to J. J. Power, 15 Ashland St. Archts. est. $200,000. Noted Jan. 27.

Conn., Bristol — CONNECTION — New Departure Mfg. Co., 269 North Main St., altering, building to allow for erection 4 structural steel bridges connecting various departments company plant, to Berlin Constr. Co., Depot Rd., Berlin, Archts. est. $85,000.

N. Y., New York — APARTMENT — Rhoades-Kennedy Security, 342 Madison Ave., 15 story, 80 x 100 ft. brick, steel and stone, plain foundation, 459 East 57th St., to T. E. Rhoades & Co., Inc., 342 Madison Ave. Archts. est. $2,000,000.

N. Y., New York—APARTMENT—Mt. Hope Holding Corp., c/o P. Lubroth, archt., 283 East Kingsbridge Rd., will build brick, steel and stone, plain foundation, Anthony Ave. by day labor. $500,000. Noted Mar. 3.

N. Y., New York—BANK and OFFICE—National City Bank, 55 Wall St., 31 story, brick, steel and stone, plain foundation, 52 Wall St., to G. A. Fuller & Co., 949 Bway. Archts. est. $8,000,000.

N. Y., New York—COURT HOUSE—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 4th story addition to magistrates and municipal court house, Washington and Brook Aves., to Riley Bldg. & Constr. Co., 1919 Bway., $132,900. Noted Mar. 3.

N. Y., New York—OFFICE and APARTMENT—D. A. Cushman Realty Co., 325 West 22nd St., L. H. Cushman, vice pres., 16 story, brick, steel and stone, plain foundation, 9th Ave. and 20th St., to E. Corning Co., 145 East 45th St. Archts. est. $450,000.

N. Y., New York—POST OFFICE—J. Kulp, 39 South La Salle St., Chicago, Ill., 3 story, rein.-con., brick and steel, 216 East 34th St., here, to Barney-Ahlers Constr. Corp., 110 West 40th St. Archts. est. $375,000. U. S. Govt., Wash., D. C., lessee.

Pa., Narberth — THEATRE — Salasin Freed, 33 East Spring St., Ardmore, will build 1 and 2 story and basement, 95 x 95 ft., brick and steel theatre, plain foundation, here. Work will be done by separate contracts. J. E. Fildstein, Otis Bldg., Phila., archts.

Pa., Phila. — APARTMENT — S. K. Neubauer, (owner and architect) 2328 North Park Ave., will build 4 story and basement, 65 x 100 ft., brick and steel, plain foundation, 1605 West Allegheny St. Work will be done by separate contracts.

Pa., Phila.—APARTMENT—D. and I. Schorch, Packard Bldg., will build 3 story and basement, 42 x 100 ft., rein.-con., brick and steel, plain foundation, 251 West Rittenhouse St. Work will be done by separate contracts. R. Goldberg, 266 South 15th St., archt.

Pa., Phila.—AUTO SHOW ROOMS—Knatz-Cook Co., 69th and Market Sts., will build 2 story and basement, 90 x 155 ft., rein.-con. and brick, plain foundation, 68th and Market Sts. $150,000. Work will be done by separate contracts. Tunis & Baker, Ins. Co. of North America Bldg., archts.

Pa., Phila.—GARAGE—J. Bodek, Ledger Bldg., 6 story and basement, 60 x 122 ft., rein.-con. and brick, plain foundation, 819-23 Walnut St., to Nelson-Pedley Co., Corn Exch. Bldg. Archts. est. $200,000.

Ga., Savannah—HOME—Order of Ry. Conductors, Masonic Temple, Cedar Rapids, Ia., 2 story and basement, 40 x 251 ft., rein.-con., brick and tile, to J. Stewart Co., 17 East 42nd St., New York City, $242,000. Noted Sept. 23.

O., Canton—MAUSOLEUM—City, constructing mausoleum at Calvary Cemetery, Massillon-Canton Rd., to Allen County Mausoleum Co., Lima. Archts. est. $150,000-$200,000.

O., Cleveland—APARTMENT—Baruch Botwin, 957 Linn Dr., 4 story and basement, 60 x 70 ft., brick, East 85th St., to S. Mark, 955 Lakeview Rd. Archts. est. $150,000. Private plans.

O., Columbus—GARAGE—Natl. Garages, Inc., Detroit, Mich., 5 story and basement, 160 x 187 ft., brick, steel and concrete, East Town St., here, to H. Christman Co., 315 Stevens Bldg., Detroit, Mich., approximately. $400,000.

Ind., Hammond—STORE—Minas Furniture Co., general contract 5 story, 100 x 100 ft., rein.-con., brick and steel, State and Oakley Sts., to Finlayson Bros., 139 North Clark St., Chicago, Ill. Archts. est. $160,000.

Mich., Detroit — CLUBHOUSE — G. D. Mason & Co., 80 Griswold St., 3 story and basement, 100 x 150 ft., rein.-con., brick and steel addition, plain foundation, Columbia St., for Twentieth Century Club, John R. St., to Talbot & Meier, 250 West Lafayette St. Archts. est. $200,000. Noted Nov. 25.

Mich., Pontiac — APARTMENT — West Huron Street Corp., 3 story and basement, rein.-con., brick and steel, plain foundation, Huron and Green Sts., to Everett Winters Co., 1651 East Grand Blvd., Detroit. Archts. est. $250,000.

Ill., Chicago—APARTMENT HOTEL—A. Hurmann, 4231 North Winchester Ave., masonry contract 6 story, 50 x 116 ft., brick, 4434-36 North Lincoln St., to J. Troff, 3735 North Clark St. Archts. est. $300,000.

Ill., Chicago—FIELD HOUSE—Southern Park Comrs., 57th St. and Cottage Grove Ave., general contract 1 story, 160 x 230 ft. field house, 55th St. and Western Ave., to J. B. French & Co., 30 North Michigan Ave., $335,000. Noted Dec. 30.

Ill., Chicago—HOTEL—Plotke & Grosby, 111 West Washington St., general contract 16 story and basement, 100 x 107 ft. hotel, 210 East Pearson St., to Trimmer-Nydle, 111 West Washington St. Archts. est. $2,000,000. Noted Feb. 17.

Ill., Chicago — WAREHOUSE — A. Epstein, archt., 2001 West Pershing Rd., masonry and carpentry contract 3 story, 150 x 170 ft. warehouse, 2542-54 Ogden Ave., to G. L. Arquette Co., 160 North La Salle St., for Royal Blue Stores, Inc., 120 North Peoria St. $450,000. Noted Feb. 17.

Ia., Sioux City—THEATRE and OFFICE—Frances Building Co., A. Sanford, pres., 308 Francis Bldg., Francis Orpheum Building, 7 story and basement, 150 x 200 ft., rein.-con., brick, terra cotta, and steel, concrete pile foundation, to Kaiser-Ducett Co., Joliet, Ill. $850,000. Noted Feb. 3.

Mo., Kansas City—SANITORIUM—G. W. Robinson, 8100 Independence Rd., 3 story and basement, approximately 114 x 130 ft., rein.-con. and terra cotta, 30th and Paseo Sts., to Jewell Building Co., Chambers Bldg. Archts. est. to exceed $150,000.

Calif., Los Angeles — APARTMENT — A. H. Frost, 6 story and basement, 100 x 121 ft. rein.-con., incl. 60 x 80 ft. garage, Oakwood and Vermont Aves., to W. D. Lee, Textile Center Bldg., $235,000.

Calif., Los Angeles—APARTMENT—Guardian Holding Co., Commercial Exch. Bldg., 7 story, 100 x 120 ft., rein.-con., 5200 Hollywood Blvd. to W. D. Lee, Textile Center Bldg., $350,000.

Calif., Los Angeles—GARAGE—Syndicate, 13 story and basement, 80 x 170 ft., garage, South Olive St., to Fidelity Constr. Co., Hillstreet Bldg.

Calif., Los Angeles—OFFICE—J. Oviatt, c/o Walker & Eisen, archts., Western Pacific Bldg., 12 story and basement, 60 x 150 ft., steel, terra cotta, and rein.-con., 615 South Olive St., to P. J. Walker Co., W. M. Garland Bldg., $600,000. Noted Feb. 10.

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Buildings—Commercial (Continued)

Calif., Los Angeles—SALES, SERVICE and REPAIR—White Motor Co., 842 East 79th St., Cleveland, O., brick, steel and rein.-con., plain foundation, to Stone & Webster, 120 Bway., New York City. Archts. est $700,000. Noted Feb. 10.

Calif., Los Angeles — THEATRE and OFFICE—United Artists Theatre Corp., 9222 South Olive St., 12 story and basement, steel and rein.-con., Bway. near 9th St., to Scofield Eng.-Constr. Co., Pacific Finance Bldg., approximately $1,500,000. Noted Feb. 17.

Ont., Windsor—HOTEL—Norton-Palmer Hotel Co., Jefferson and Griswold Sts., Detroit, Mich., 12 story and basement, 200 room, rein.-con., brick and steel, plain foundation, Park and Pelissier Aves., here, to W. H. Yates Constr. Co., Windsor, Archts. est. $700,000.

Buildings—Industrial

Proposed Work

Mass., Boston—SERVICE and REPAIR GARAGE and SALES—Firestone Tire & Rubber Co., A. Carchuff, Akron, O., in charge, plans 1 story, rein.-con. and brick, Brookline Ave., here. $50,000 or more. Engineer and architect not selected.

Mass., Cambridge — FACTORY—Owner, c/o C. Neillson, 27 Western Ave. having plans prepared, 4 story, brick, plain foundation, Dickinson St. $40,000. Private plans.

Mass., Lynn—REPAIR—C. Bell, 385 Broad St., having plans prepared by G. A. Cornet, 10 Central Ave., 1 story, rein.-con., plain foundation, repair and service garage, Broad St. $50,000.

Mass., Newburyport—SERVICE and REPAIR GARAGE and SHOWROOM—Dole Collins, Inc., 112 Merrimack St., plans 1 story, brick and steel, State St. $40,000 or more. Engineer and architect not selected.

Mass., Rutland — WOODWORKING SHOP — Central New England Sanatorium, A. Crane, having preliminary plans prepared by Bigelow, Kent & Willard Co., Park Sq. Bldg., Boston, 2 story, brick, Miles Rd.

R. I., Providence—MACHINE SHOP—H. L. Scott Co., Blackstone St., had plans prepared by F. P. Sheldon & Sons, 1008 Hospital Trust Bldg., 2 story, 50 x 70 ft. brick and steel addition, $40,000.

N. Y., New York—MANUFACTURING—Gould-Mersereau Co., 52 West 38th St., having plans prepared by R. C. P. Boehler, 116 West 39th St., 12 story, rein.-con., brick and steel, plain foundation, 189 Lexington Ave. $300,000.

Pa., Phila. — FACTORY — Philadelphia Storage Battery Co., Ontario and 6th Sts., having plans prepared by Rankin & Kellogg, 1805 Walnut St., 3 story and basement, 50 x 90 ft., rein.-con. and brick addition, plain foundation, here.

Ala., Birmingham—PLANT—R. Hoe & Co., Inc., 504 Grand St., New York City, plans brick, steel and rein.-con., plain foundation plant for manufacturing printing machinery and saws, 6th Ave., here. $1,000,000. Private plans.

Ala., Birmingham — PLANT — Presto-O-Lite Co., 30 East 42nd St., New York City, plans brick, steel and rein.-con., plain foundation plant, here. $75,000. Private plans.

O., Columbus — REPAIR GARAGE — Hoster Realty Co., 1 South 4th St., having sketches made 2 story and basement, 57 x 92 ft., brick, concrete and terra cotta, South 4th St. $50,000.

Mich., Detroit—CREAMERY—Belle Isle Creamery Co., 3600 East Forest Ave., having plans prepared by Williams & Coughlan, 801 Kresge Bldg., 2 story and part basement, 40 x 220 ft., rein.-con., and brick, plain foundation. $50,000.

Mich., Ferndale (br. Detroit)—ROUND HOUSE—Grand Trunk Ry., 400 East Jefferson Ave. (subsidiary Canadian Natl. R.R., 230 St. James St., Montreal, Que., T. T. Irving, ch. engr.), purchased site and plans 1 story, rein.-con., brick and steel, plain foundation, incl. 10-track yard, Grand Trunk Ry. and Eight Mile Rd. Private plans.

Minn., Marshall — POWER PLANT — City, c/o A. G. Bumford, clk., having plans prepared by Pillsbury Eng. Co., 2344 Nicollet Ave., Minneapolis, 2 story and basement, rein.-con. power plant, complete. $100,000.

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Minn., Minneapolis—POWER PLANT—Minneapolis Mfg. Co., East Hennepin and 5th Aves. S. E., having plans prepared by Pillsbury Eng. Co., 2344 Nicollet Ave., rein.-con. and brick power plant, incl. 600 hp. boiler and complete equipment, 3200 East Hennepin Ave. $50,000.

Tex., Taft—PACKING PLANT—Central Power & Light Co., c/o Frost Bldg., San Antonio, making plans enlarging and improving plant, here. $40,000 or more. Private plans.

Tex., Wichita Falls — CREAMERY—Snowhite Creameries Co., c/o T. W. Long, making plans 50 x 150 ft., brick, rein.-con. creamery. $60,000. Pate & Thompson, 1005 City Natl. Bank Bldg., engrs.

Okla., Muskogee—ICE PLANT—Southern Ice & Utilities Co., c/o J. M. Allen, Muskogee, plans 1 story, 50 ton capacity, probably electrically operated ice plant. $75,000.

Calif., Modesto — PLANT — Modesto Ice Delivery Co., having plans prepared by H. E. Heller Co., 320 Market St., San Francisco, 1 story, rein.-con. ice and cold storage plant. $75,000.

Calif., Pasadena — BAKING PLANT — Continental Bakeries Corp., c/o Parkinson & Parkinson, archts., Title Insurance Bldg., Los Angeles, having plans prepared part 1 and 2 story, 180 x 180 ft., brick, Pasadena Ave. and Waverly Dr. $150,000.

Calif., San Carlos—BOTTLING PLANT—Smack Beverage Co., 1925 Bway., Fresno, purchased site and plans bottling plant, on State Highway, here.

Calif., San Francisco—FACTORY—Pacific Coast Syrup Co., 731 Sansome St., having plans prepared by D. A. Riedy, Pacific Bldg., 6 story, rein.-con., Sansome and Pacific Sts. $200,000.

Calif., San Francisco—TALLOW WORKS—California Tallow Co., 1236 Evans Ave., plans rebuilding tallow works, Evans Ave., recently destroyed by fire. To exceed $40,000.

Calif., San Francisco—SHOP—See "Railways under California."

Ont., Blind River—LATH MILL—R. J. Davis Co. plans erecting and equipping lath mill. $50,000.

Ont., Brockville — WIRE FACTORY — J. M. Miller, archt., 364 Dorchester St., Montreal, Que., soon takes bids new wire manufacturing plant, here, for E. J. Phillips Electric Wks., Ltd., 579 De Gaske St., Montreal, Que. $60,000. Noted Feb. 24.

Ont., Guelph — SUB-STATIONS — Light Comn. plans 2 new sub-stations. $50,000. J. J. Heeg, c/o owner, engr.

Ont., Toronto—CONFECTIONERY FACTORY—Moirs Ltd., 166 Adelaide St. W., plans rein.-con., brick and steel, plain foundation. $250,000. Engineer and architect not selected.

Ont., Toronto — STORAGE BATTERY FACTORY—Hobbs Storage Battery Corp., 302 Bay St., plans 3 story, rein.-con., brick and steel, plain foundation, Fleet St. and Spadina Ave. $100,000-$150,000. Engineer and architect not selected.

Ont., West Hamilton—SUB-STATION—Dominion Power Co., Hamilton, plans constructing and equipping new sub-station, here. $50,000. G. R. Waller, c/o owner, engr.

Ont., Windsor — REFINING PLANT—Windsor Gypsum Co. Ltd. soon takes bids refining plant, also storage bins, 100,000 tons capacity. $305,000.

Sask., Saskatoon — CEREAL MILL — Quaker Oats Co., Peterboro, Ont., soon takes bids large cereal mill, here. $250,000.

Bids Desired

Mass., Chelsea (br. Boston)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., Revere—REPAIR and SERVICE GARAGE and SHOWROOM—F. T. Foley, 1499 North Shore Rd., taking bids 1 story, 75 x 100 ft., brick and steel, plain foundation, Devon St. $80,000. Private plans. Noted Feb. 24.

Mass., Watertown—FACTORY—Hay & Peabody Cement Vault Co., 282 Somerville Ave., taking bids 2 story, rein.-con. and brick, Arlington St. $45,000. D. T. Cormier, 15 Herbert St., archt. Noted Mar. 3.

Pa., Hatboro — MANUFACTURING — Mar. 15, by Roberts & Manders Stove Co., 11th St. and Washington Ave., Phila., 3 story and basement, 60 x 214 ft., 3 story and basement, 66 x 199 ft. and 1 story, 41 x 111 ft., rein.-con. and brick manufacturing plant, plain foundation, here. Private plans.

Pa., Phila.—SUB-STATION—Mar. 15, by Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., Sub-Station 6, 1 story and basement, irregular shaped, concrete, steel, cut stone and brick, plain foundation, Mt. Vernon and Lemon Sts., for housing synchronous converters, for furnishing power for Broad St. Subway, Contr. 137; furnishing and installing plumbing, piping and appurtenant work, etc., Contr. 158. Private plans.

Md., Hagerstown—PLANT—Mar. 15, by L. T. Klauder, engr., Bankers Trust Bldg., Phila., Pa., 2 story and basement, 123½ x 163 ft. municipal lighting plant, here, Contr. 116, for City. Former bids rejected. Noted Feb. 10.

La., Minden—ICE PLANT—See "Contracts Awarded."

O., Cleveland—FACTORY and WAREHOUSE—Pressmon-Straus Bag Co., P. Pressman, pres., 2334 East 76th St., taking bids 2 story and basement, 48 x 100 ft., brick and steel, East 76th St. $40,000. I. A. Wasserstrom, 10323 Kempton Ave., archt.

Okla., Lawton — ICE PLANT — Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, taking bids 1 story, 80 x 100 ft., rein.-con., 40 ton ice plant, here. R. H. Oliver, 115 South Dearborn St., Chicago, Ill., archt. Noted Mar. 3.

Neb., Fremont—POWER PLANT—Mar. 15, by City Water & Light Comn., H. L. Bunell, comr., 46 x 109 ft., rein.-con. and brick addition, 50 ft. high. $90,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Feb. 10.

Tex., Lockney—COTTON SEED OIL MILL—Lockney Cotton Oil Co., c/o M. D. Anderson, taking bids 125 ton daily capacity, cotton seed oil mill, rein.-con. and steel. $250,000, incl. machinery. R. J. Cummins, Bankers Mortgage Bldg., Houston, engr.

Calif., Los Angeles—SUB-STATION—See "Contracts Awarded."

Contracts Awarded

Mass., Boston—PUBLISHING PLANT—Boston Amer. Publishing Co., 3 Winthrop Sq., altering 4 story, brick 86 Summer St., to C. A. Dodge Co., Erie and Albany Sts. Cambridge. Archt. est. $40,000. Noted Feb. 24.

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—G. V. Wattendorf, 699 Columbia Rd., 1 story, brick and steel, plain foundation, Everett Sq., to H. L. Hauser Building Co., 263 Summer St., Boston. Archts. est. $60,000. Noted Feb. 17.

Mass., Malden (br. Boston)—FACTORY—Boston Dye House, 22 Eastern Ave., 3 story, rein.-con. and brick, plain foundation, 253-255 Main St., to Canter Constr. Co., 6 Beacon St., Boston. Archts. est. to exceed $40,000. Noted Nov. 25.

Mass., Medford (br. Boston) — MANUFACTURING—R. M. Taylor, c/o H. L. Kennedy, archt., 80 Boylston St., Boston, 2 story 70 x 240 ft., brick, plain foundation, to Frankini Bros., 32 Mystic Ave. Archts. est. $75,000. Noted Feb. 24.

Mass., Roxbury (Boston P. O.)—CLOTHING FACTORY—E. Gavanni & Bros. Co., 196 Norfolk Ave., 1 and 2 story, 35 x 100 ft., and 20 x 60 ft., rein.-con. and brick, plain foundation, to Frankini Bros. Inc., 30 Mystic Ave., Medford. Archts. est. $40,000.

Conn., Hartford — POWER PLANT — Hartford Electric Light Co., 266 Pearl St., T. H. Soren, vice pres., rein.-con., brick and steel addition, plain foundation, South Meadow Plant, to Stone & Webster, Inc., 120 Bway., New York City. Approximately $2,000,000. Noted Feb. 24.

Conn., Hartford — FOUNDRY — Booth Fdry. Co., Homestead Ave. 2 story, 60 x 65 ft., addition, to C. P. Waterman, Inc., 43 Farmington Ave.

Conn., Hartford—FOUNDRY—Philbrick-Booth Co., 267 Homestead Ave., 2 story, 62 x 67 ft., brick, Homestead Ave., to C. P. Waterman, Inc., 43 Farmington Ave. Archts. est. $40,000 or more.

Conn., New Haven—BOILER HOUSE—New Haven Oil Corp., 252 Asylum St., 1 story, 40 x 150 ft., steel, concrete and iron, River St., to Eagle Constr. Co., 80 Bishop St., Bridgeport, Archts. est. $40,000.

Conn., Westport—GARAGE—L. Gault, Riverside Ave., 3 story, brick and rein.-con., to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport, Archts. est. $125,000.

N. Y., Brooklyn—GENERATING STATION—Brooklyn Union Gas Co., 176 Remsen St., by-product coke and gas plant, to

Buildings—Industrial (Continued)

Koppers Constr. Co., Union Trust Bldg., Pittsburgh, Pa. Noted Jan. 20.

N. Y., College Point (Ind. Sta. Flushing)—PLANT—I. B. Kleinert Rubber Co., 485 5th Ave., New York City, 3 story, 100 x 125 ft., rein.-con., steel and stone, plain foundation, North 5th Ave. and 18th St., here, to G. Jeuch, College Point. Archts. est. $80,000.

N. J., Kearny—PLANT—Western Electric Co., 100 Central Ave., 6 story, 60 x 300 ft., and 1 story, 60 x 198 ft., rein.-con., brick and steel additions, plain foundation, to J. Steers, 17 Battery Pl., New York City. Engrs. est. $160,000. Noted Feb. 3.

Pa., York—ROOFING PLANT—Certain-teed Products Corp., 11 East 42nd St., New York City, N. Y., 2 story, 109 x 145 ft., rein.-con. and steel addition, here., to Stoffiet & Tillotson, 209 Wesley Bldg., Phila. Noted Feb. 24.

Pa., Wilkes-Barre—CAR and REPAIR SHOP—Wilkes-Barre Ry. Corp., 728 Miners Bank Bldg., general contract 121 x 201 ft. machine shop, and 121 x 151 ft. carpenter shop, both 1 story and basement, rein.-con., brick, steel, etc., to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. $250,000.

W. Va., Newell—FACTORY—Bd. Dirs. Homer Laughlin China Co., 1 story, 220 x 800 ft. factory, 115 kiln capacity, to Austin Co., 16112 Euclid Ave., Cleveland, O. Archts. est. $1,000,000.

South Carolina — HYDRO-ELECTRIC PLANT—Lexington Water Power Co., Columbia, T. G. Williams, pres., subsidiary of General Gas & Electric Co., W. S. Barstow, pres., 50 Pine St., New York, N. Y., will build hydro-electric plant, 200,000 hp. capacity on Saluda River, 10 mi. west of Columbia, incl. 1½ mi. dam, 188 ft. high, 1,200 ft. thick in midsection, lake created to be over 30 mi. long. Estimated cost approximately $20,000,000. Murray & Floyd, Grand Central Terminal, New York, N. Y., engrs. Construction work to be done by W. S. Barstow Management Assn., Inc., 50 Pine St., New York City.

La., Minden—ICE PLANT—Minden Cotton Oil & Ice Co., J. B. Snell, genl. mgr., will build 25 ton daily capacity ice plant, by day labor. $50,000.

Ill., Granite City—LOCOMOTIVE BED SHOP—Commonwealth Steel Co. will build 1 story, 100 x 600 ft., timber, corrugated steel, structural steel, concrete foundation, also 150 ft. subway, 8 ft. high and 10 ft. wide, under railroads tracks, by day labor. Private plans. Noted Mar. 3.

Kan., Augusta—FACTORY and WAREHOUSE—Spencer Trailer Co. will build 60 x 300 ft. factory, and 60 x 100 ft. warehouse, fireproof, by day labor. Archts. est. $150,000. Private plans.

Kan., Wichita — PLANT — Travel Air, Inc., 1 story, 75 x 275 ft. rein.-con. and brick, to Henrion Impvt. Co., 710 Schweiter Bldg. Archts. est. $40,000.

Neb., Omaha—BAKERY and STABLES—Natl. Baking Co., 2 story bakery and stables, 43rd to 45th Sts. and Nicholas Ave., to Parsons Constr. Co., Grain Exch. Bld., $111,024.

Ark., Camden—PAPER MILL—Arkansas Paper & Pulp Co., 100 East 42nd St., (subsidiary International Paper Co., 100 East 42nd St., New York City), will build 4 unit mill, 200 ton daily output, on 100 acre site, on Ouachita River, here, $500,000. Work will be done by separate contracts under supervision owner. Private plans. Noted Jan. 6.

Tex., San Antonio — BAKERY — Lone Star Baking Co., c/o L. Peters, 902 East Commerce St., general contract 2 or 3 story and part basement, rein.-con. and brick, plain foundation, South Presa and Vitra Sts., to M. Malos, Travis Bldg., approximately $100,000. Noted Mar. 3.

Calif., Los Angeles—SUB-STATION—City will build 2 story, 74 x 84 ft., rein.-con., 3520 South Normandie St., by day labor. $100,000. Private plans.

Buildings — Educational Religious

Proposed Work

Me., Portland — DORMITORY — Hebron Academy, F. O. Stanley, Newton, Mass., pres., plans rebuilding dormitory destroyed by fire. $200,000. Engineer and architect not selected.

N. H., Nashua — PARISH HOUSE — Church of the Good Shepherd, W. B. Niles, pastor, plans parish house. $150,000. Cram & Ferguson, 248 Boylston St., Boston, Mass. archts.

Vt., Rutland — HIGH SCHOOL — City, School Com., plans election $400,000 bonds new high school.

Mass., Amherst—LIBRARY—Town, c/o Putnam & Cox, archts., 114 State St., Boston, having sketches made library. To exceed $150,000.

Mass., Lynn—PARISH HOUSE—Unitarian Church c/o S. A. Cornet, archt., 10 Central Ave., having preliminary plans prepared 3 story and basement, brick and stone, plain foundation, Baltimore St. and Atlantic Ave. $150,000.

Mass., Newburyport—HIGH SCHOOL—City, School Bd., City Hall, plans new high school. $250,000. Engineer and architect not selected.

Mass., Newton (Ind. br. Boston)—HOME—Baptist Home, 308 Brookline St., Cambridge, had revised plans prepared by Kendall, Taylor & Co., 142 Berkley St., Boston, 3 story and basement, brick and stone, plain foundation, home for aged, Commonwealth Ave. and Lake St. $500,000.

Mass., Pittsfield—PARISH HOUSE—Pilgrim Memorial Church, K. D. Beckwith, plans 3 story and basement, brick and stone. $150,000-$160,000. Engineer and architect not selected.

Mass., Quincy (Boston P. O.)—HIGH SCHOOL—City, T. T. McGrath, mayor, City Hall, plans Daniel Webster Junior High School. $275,000. Engineer and architect not selected. Site not selected.

Mass., Saugus—HIGH SCHOOL—Town, C. N. Wormstead, pres., Planning Bd., Fairmount Ave., plans 2 or 3 story, high school. $250,000. Engineer and architect not selected.

Mass., Westfield—HIGH SCHOOL—City, c/o M. B. Harding, archt., 6 Main St., having new sketches made 2 story and basement, 75 x 300 ft., brick, High St. $400,000.

Mass., Wrentham — SCHOOL — Town, School Com., plans brick and steel school. $150,000. Engineer and architect not selected.

R. I., Lincoln—HIGH SCHOOL—Town, School Com., Town Hall, plans Junior High School. $150,000 or more. Engineer and architect not selected.

R. I., Newport—HIGH SCHOOL—City, School Bd., T. Potter, plans new Junior High School. $200,000. Engineer and architect not selected.

R. I., Newport—GYMNASIUM—De La Salle Academy, Bellevue Ave. A. Basiliam, plans brick, concrete and steel gymnasium. $175,000. Engineer and architect not selected.

R. I., Providence—NURSES HOME—Rhode Island Hospital, had plans prepared by Clarke & Howe, 1208 Turks Head Bldg., brick and steel nurses home. $400,000.

Conn., Hartford—GYMNASIUM, AUDITORIUM and SCHOOL—City, H. U. Tuttle, chn., plans 12 room addition incl. gymnasium and auditorium, Vine St., $300,000, also 14 room addition to Holcomb St. $250,000. Engineer and architect not selected.

Conn., Willimantic — SCHOOL — State Normal School, soon takes bids 2 story and basement brick and steel, Valley St. $200,000. Payne & Keefe, 231 State St., New London, archts. Noted Feb. 3.

N. Y., Buffalo—SCHOOLS—Bd. Educ., 900 Genesee Bldg., having plans prepared by E. Crimi, 1411 Genesee Bldg., P. S. 37, 2 story and basement, Pratt St., $350,000; also 3 new schools, $1,500,000. Noted June 3.

N. Y., New York—SCHOOL—College of City of New York, Convent Ave. and 139th St., having plans prepared by Thompson, Holmes & Converse, 101 Park Ave., 9 story, 125 x 200 ft., brick, steel and stone, plain foundation, Lexington Ave. and 23rd St. $1,500,000.

N. Y., New York — SCHOOL — Chapin School, 32 East 57th St., having plans prepared by Delano & Aldrich, 126 East 38th St., brick, steel and stone, plain foundation, East End Ave. $900,000.

N. Y., Niagara Falls—SCHOOLS—City plans various schools, incl. vocational school, etc. $1,258,000.

N. J., Elizabeth—HIGH SCHOOL—Bd. Educ. having plans prepared by H. B. Brady, 333 North Broad St., high school. $800,000. Noted July 8.

Kan., Hutchinson—HIGH SCHOOL—Bd. Educ. having plans prepared by W. E. Hulse & Co., Stamey Hotel Bldg., 15 room, brick addition, incl. auditorium and gymnasium. $175,000.

Kan., Wichita — HIGH SCHOOL — Bd. Educ. having plans prepared by T. W. Williamson, 312 Central Bank Bldg., and takes bids about Apr. 13, Oakland High School, 2 story and basement, 112 x 155 ft., rein.-con., brick and stone high school. $160,000.

Mo., Fayette — DORMITORY — Central College having preliminary plans prepared by Trueblood & Graf, Chemical Bldg., St. Louis, 3 story, rein.-con., brick and stone dormitory; also remodeling Cupples and Brannock Halls into library and administration building respectively. $150,000 up.

Okla., Okmulgee — HIGH SCHOOL — Voted $150,000 bonds large high school addition. R. W. Adkisson, secy. Bd. Educ.

Calif., Antioch — HIGH SCHOOL—Antioch High School Dist., plans election $175,000 bonds, fireproof high school.

Calif., Arbuckle — HIGH SCHOOL — Pearce Union High School Dist. plans (2nd) election $200,000 bonds, fireproof high school.

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Buildings—Educational, Religious (Cont.)

Calif., Colton—SCHOOLS—Colton School Dist. plans election $150,000 bonds, Junior High and Grammer Schools.

Calif., Colusa—HIGH SCHOOL—Pierce Joint Union High School Dist. defeated $250,000 bonds, high school. Noted Oct. 28.

Calif., Los Angeles—CHURCH—United Presbyterian Church having plans prepared by Austin & Ashley, Chamber of Commerce Bldg., 1 story and dome 95 ft. high, 90 x 144 ft. rein.-con., West and Washington Blvds. $350,000.

Calif., Los Angeles — SYNAGOGUE — B'Nai B'rith Temple, 519 West 9th St., plans synagogue, Hobart and Wilshire Blvds. To exceed $250,000.

Calif., Oakland—LIBRARY—Mills College having plans prepared by W. H. Ratcliff, Jr., Chamber of Commerce Bldg., Berkeley, (1st unit) rein.-con. library. $200,000.

Calif., San Diego—SCHOOLS—San Diego School Dist. plans election $1,850,000 bonds, purchasing sites and constructing high school; also $2,500,000 bonds, constructing elementary schools.

Calif., Sanger—HIGH SCHOOL—Sanger High School Dist. plans election $175,000 or more bonds, fireproof high school. Noted Mar. 13.

Calif., South Pasadena—CHURCH—Holy Family Catholic Church, J. B. Morris, pastor, plans fireproof, Fremont Ave. $150,000.

Que., Three Rivers—COLLEGE—Seminary St. Joseph having plans prepared 4 story, 100 x 200 ft., Lanolette St. $500,000. Engineer and architect's names withheld.

Ont., Bridgeburg — HIGH SCHOOL — High School Bd. having plans prepared by N. A. Kearns, Welland, 2 story and basement, rein.-con., brick and steel, plain foundation, Wintermute St. $175,000.

Ont., Peterborough — SCHOOL — Bd. Educ. plans 3 story and basement, 12 room, rein.-con., brick and steel addition, plain foundation, $170,000. Engineer and architect not selected.

Ont., Toronto — PARISH HALL — St. Cecilias Roman Catholic Church, Annette St., plans 2 or 3 story and basement, rein.-con., brick and steel, plain foundation, Annette St. $150,000. Engineer and architect not selected.

Ont., Toronto—CHURCH—Bedford Park & Eglinton Ave. Presbyterian Church, 2492 Yonge St., having plans prepared by Darling & Pearson, 2 Leader Lane, 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Glenview Ave. $150,000-$200,000. Noted Nov. 11.

B. C., Point Grey — SCHOOLS — Point Grey Bd. School Trustees, 5851 West Blvd., plans election about Mar. 26, $365,000 bonds, 1 new school and additions to existing schools, rein.-con., brick and tile, plain foundation. Engineer and architect not selected.

B. C., Vancouver — TECHNICAL SCHOOL—Greater Vancouver School Area, Hamilton and Dunsmuier Sts., having plans prepared by F. A. A. Barrs, c/o owner, rein.-con. school, plain foundation. $400,000.

Bids Desired

Me., Bangor — SCHOOL — St. Johns Roman Catholic Church, c/o O'Connell & Shaw, 134 Newbury St., Boston, Mass., taking bids, 3 story and basement, brick and stone school, York St. $180,000. Noted Apr. 15.

Mass., Salem—CONVENT—St. Josephs Parish, H. P. Grenier, pastor, taking bids 2 story and basement, brick addition, plain foundation, Harbor St. $150,000. J. A. Marchand, 145 Lafayette St., archt. Noted Jan. 20.

Mass., West Somerville (br. Boston) — CHURCH—Church of the Nazerene, T. W. De Long, 362 Highland Ave., Somerville, pastor, taking bids 1 story and basement, brick and stone, plain foundation, Elm and Russell Sts. $150,000. E. R. Clark, Chelmsford, archt.

Mass., Winchendon — CHURCH — Emanuel Church, J. P. Beauchamp, taking bids 1 story and basement, 50 x 100 ft., rein.-con., brick and stone, plain foundation, $150,000. C. C. Coveney, 184 Boylston St., Boston, archt. Noted Dec. 16.

N. Y., St. Albans (mail Jamaica) — SCHOOL — Mar. 23, by W. H. Gompert, Supt. School Bldg., Flatbush Ave. extension, and Concord St., Brooklyn. P. S. 136, 150 5th Ave., here, for Bd. Educ.. 500 Park Ave., New York City. Noted Oct. 7.

N. Y., St. George—SCHOOL—Mar. 15, by W. H. Gompert, Supt. School Bldg., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 30, Leonard Ave., here, for Bd. Educ., 500 Park Ave., New York City.

N. J., Cranford—SCHOOL—Mar. 15, by Bd. Educ., 109 Union Ave., 3 story school, Orange Ave., here. H. B. Brady, 353 North Broad St., Elizabeth, archt. Noted Feb. 27.

Pa., Kingston—HIGH SCHOOL—Mar. 14, by School Bd., W. H. Evans, secy., Wilkes-Barre, 2 story and basement, 180 x 276 ft., rein.-con. and brick, plain foundation. Mack & Sahm, Walnut Exch. Bldg., Wilkes-Barre, archts. Noted Nov. 11.

O., Columbus—CHEMISTRY—Mar. 22, by C. E. Steeb, secy. Ohio State University, 4 story and basement, 60 x 160 ft., brick and rein.-con., on campus. $300,000. J. N. Bradford, Ohio State University, archt. Noted Feb. 17.

O., Wyoming—SCHOOL—Mar. 21, by Clerk Bd. Educ., 3 story and basement, 27 x 90 ft., brick and rein.-con., plain foundation, Wyoming Ave. $400,000. S. Hannaford & Sons, 1024 Dixie Terminal Bldg., Cincinnati, archts.

Mich., Flint—HIGH SCHOOL—Mar. 15, by J. W. McCue, secy. Bd. Trustees, Union School Dist., 909 Flint P. Smith Bldg., northern Senior High School, 3 story and basement, 220 x 350 ft., rein.-con., brick and steel, plain foundation, McClellan St. $700,000. Malcomson & Higginbotham, 1217 Griswold St., Detroit, archts. Noted Feb. 24.

Mich., Lansing—SCHOOL—Mar. 21, by E. D. Mills, secy. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Pennsylvania Ave. $150,000. J. N. Churchill, 906 Prudden Bldg., archt. Noted Sept. 7.

Mich., Muskegon — SCHOOL — Mar. 14, by M. A. Rockenback, clk. Pub. Schools, 1 story, rein.-con., brick and steel addition, plain foundation, incl. gymnasium, Danmark Ave. $150,000. H. H. Turner, 923 Michigan Trust Bldg., Grand Rapids, archt.

Ill., Rock Island — DORMITORY — Mar. 14, by Hamilton, Fellows & Wilkinson, archts., 814 Tower Court, Chicago, Ill., 3 story and basement, 70 x 160 ft., rein.-con. and stone, plain foundation, here, for Augustana College. $180,000. Noted Feb. 3.

Wis., Green Bay—AUDITORIUM—Mar. 16, by Bd. Educ., I. H. McIntire, supt., 2 story, 60 x 200 ft., rein.-con., brick and steel auditorium at East High School, here. $150,000. Foeller & Schober, Adams St., archts.

Mo., Joplin—HIGH SCHOOL—Mar. 15, by Bd. Educ., rein.-con. and brick high school. $175,000. Smith & Van Pelt, 800 Finance Bldg., Kansas City, archts.

Tex., Abilene—SUNDAY SCHOOL—First Baptist Congregation, c/o W. Jackson, taking bids 5 story and basement 130 x 170 ft., rein.-con., North 3rd and Hickory Sts. $300,000. W. Nichol & G. F. Campbell, 29-30 Radford Bldg., archts. Noted Feb. 24.

Ont., London—HIGH SCHOOL—Mar. 21, by Bd. Educ., new high school, $200,000. L. E. Carrothers, c/o owner, engr. Noted Oct. 21.

Ont., Mimico—HIGH SCHOOL—Mar. 15, by G. R. Gouinlock, archt., 101 King St. W., Toronto, 2 story, steel and stone high school for School Bd. $150,000. Noted Feb. 10.

Ont., Sandwich—COLLEGE—Assumption College, A. Dillon, pastor, taking bids 3 story and basement, 65 x 224 ft., concrete, brick and tile college. $300,000. A. J. Lothian, La Belle Bldg., Windsor, archt. Noted Dec. 10.

B. C., Victoria—CATHEDRAL—Mar. 31, by J. C. M. Keith, archt., Sayword Bldg., rein.-con. and granite, plain foundation, for Anglican Church. $250,000. Noted Sept. 2.

Contracts Awarded

Mass., Brookline (br. Boston)—SCHOOL—Town, School Comn., 1 and 2 story and basement, brick and stone, plain foundation, kindergarten, primary school and branch library, Heath St., to Frankini Bros., 30 Mystic Ave., Medford. Archts. est. $150,000. Noted Feb. 3.

Mass., Melrose (Ind. br. Boston)—CONVENT—St. Mary's Roman Catholic Church of Annunciation, 41 Myrtle St., 3 story and basement, irregular shaped, brick and limestone, plain foundation, to W. T. Powers, Union Sq., Somerville. Archts. est. $160,000. Noted Dec. 16.

Mass., Shrewsbury—SCHOOL—Town, S. H. Shepard, chn. com., 2 story and basement, 70 x 105 ft, brick and tile Grade School, South Quinsigamond Ave., to C. T. Rochford, 58 Front St., Worcester. Archts. est. $150,000. Noted Dec. 30.

Mass., Worcester—SCHOOL—City Pub. Building Dept., City Hall, 2 story and basement, brick and stone, to D. T. Rochford, 16 Norwich St. Archts. est. $150,000. Noted Feb. 17.

Conn., Hartford — DORMITORY — Hartford Hospital, 20 South Lewis St., 4 story, 50 x 130 ft., brick and steel, Jefferson St. to A. E. Beaslee, 15 Lewis St., Archts. est. $150,000. Noted Feb. 10.

Conn., Waterbury—RECTORY—Immaculate Conception Parish, W. J. McGurk, pastor, 3 story and basement, brick and stone, plain foundation, West Main and Propect Sts., to Tracy Bros. Co., 52 Benedict St. Archts. est. $150,000.

N. Y., Geneva — SCHOOL — Bd. Educ., brick, steel and stone, plain foundation, Prospect St., here, to Denz Eng. Corp., Salamanca, $158,000. Noted Feb. 17.

Pa., Erie—CHURCH—Corbusier, Lenski & Foster, archts., 730 B. F. Keith Bldg., Cleveland, O., 1 and 2 story, 120 x 150 ft., rein.-con., brick and steel church, here, to H. Platt Co., Scott Bldg., for Sarah Hearn Memorial Presbyterian Church, C. S. Beatty, pastor. Archts. est. $175,000. Noted Dec. 16.

Miss., Columbus — ADMINISTRATION and GYMNASIUM—Mississippi State College for Women, 2 story, 96 x 135 ft., brick, steel and tile, to L. W. Hancock, 26th Ave., Meridian. Noted Feb. 10.

La., Shreveport — ADMINISTRATION — M. E. Dodd Foundation, c/o M. E. Dodd, pastor, 1st Baptist Church, general contract 3 story, rein.-con. and brick college, to Glassell-Wilson Constr. Co., 919 Texas Ave., $166,674. Noted Jan. 6.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., c/o E. F. Morrill, constr. engr., 4300 Euclid Ave., 2 story and basement, 43 x 83 x 100 ft., brick and rein.-con., West 137th St. and Lorain Ave., to W. J. Schirmer Co., 1720 Euclid Ave. Archts. est. $175,000. Noted Feb. 17.

O., Dover Center (br. Cleveland)—HIGH SCHOOL—Bd. Educ., C. R. Perkins, clk., 2 story and basement, 38 x 75 ft., brick, steel and concrete addition, to G. Kratt & Sons, Lorain, $85,500. Noted Feb. 17.

Ind., Ft. Wayne — CHURCH — Calvary United Brethren Church, F. P. Overmeyer, pastor, 1213 Harmar St., general contract, brick, steel and stone, Jefferson and Harmar Sts., to H. Wehrenberg & Sons, 252 Farmers Trust Bldg. Archts. est. $150,000.

Mich., Ann Arbor — MUSEUM — S. W. Smith, secy. Bd. Regents University of Michigan, 3 story, rein.-con. and brick, plain foundation, North University Ave., to Spence Bros., Saginaw, approximately $500,000. Noted Jan. 20.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., general contract rein.-con., brick and steel addition, plain foundation, East Grand Blvd., to Rosewarne, McNab & Worswick, 333 State St., $177,985; heating, ventilating and plumbing, to Drake Avery Co., 210 State St., $91,900. Noted Dec. 30.

Mo., Kansas City—NURSES HOME—St. Marys Hospital, 2800 Main St., 3 story and basement, 97 x 170 ft., rein.-con., brick and cut stone, 20th and Main Sts., to Swenson Constr. Co., Shubert Theatre Bldg. Archts. est. $250,000. Noted Jan. 27.

Mo., St. Louis—CHURCH and COMMUNITY—St. Johns Methodist Episcopal Congregation, I. L. Holt, pastor, 5068 Washington Ave., 3 story and basement, 50 x 130 ft., rein.-con., brick and stone, Washington Blvd., to Westlake Constr. Co., Ry. Exch. Bldg. Archts. est. $200,000. Noted Feb. 24.

Tex., Amarillo — CHURCH — Methodist Episcopal Church, E. C. Lamb, chn. building com., 2 story and basement, rein.-con., brick and steel, plain foundation, Polk St., to Christy-Dolph Constr. Co., Central Bank Bldg., Dallas, $301,100. Noted Feb. 10.

Okla., Tulsa—MEDICAL ARTS—C. W. Day, 502 South Boulder St., 10 story and basement, 60 x 140 ft., rein.-con., steel and stone, to Manhattan Constr. Co., 103 West 6th St. Archts. est. $800,000. Noted Nov. 11.

Calif., Pasadena—CHURCH—First Congregational Church, constructing rein.-con. church, Walnut St. and Los Robles Ave., to W. T. Loesch & Son., 109 South Chester Ave. approximately $350,000.

Calif., Stockton—SCHOOL—St. Mary's Catholic Church, 2 story and basement, brick and concrete school, to Lewis & Green, Commercial Bldg., $165,350.

Ont., Toronto — HIGH SCHOOL — York Twp. School Bd., 3 story and basement high school, Jane St. and Priscilla Ave., excavation, masonry, cut stone and structural steel work, to Vern & Evans, 127 Mavety St. Archts. est. $175,000. Noted Jan. 6.

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Federal Government Work

Bids Desired

D. C., Wash. — Pipe Line — Apr. 1, by U. S. Engineers Office, Navy Dept. Bldg., extension to third high pipe line for District of Columbia Water Supply Project; adv. E. N.-R. Mar. 10.

D. C., Wash.—Scout Cruisers—Apr. 5, by Bureau Yards & Docks, Navy Dept., constructing Scout Cruisers 26, 27 and 28, etc.; adv. E. N.-R. Mar. 10.

Ky., Louisville—Trestles, Wickets, etc.—Apr. 5, by U. S. Engineer Office, P. O. Box 72, trestles, wickets, etc., for Dam 41, Ohio River; adv. E. N.-R. Mar. 10.

Oregon—Canal—Apr. 12, at office Bureau Reclamation Vale, constructing portion Vale Main Canal near Harper. F. Mead, comr.; adv. E. N.-R. Mar. 10.

Unclassified

Proposed Work

Street Lighting System—St. Louis, Mo.—Made preliminary plans street lighting system in district bounded by Mississippi River, Delor St., Kingshighway and Chouteau Ave., incl. 7,600 concrete standards complete with lanterns, glassware, cabling, etc. $1,550,000; also in North St. Louis Dist., 2,000 standards, $325,000. J. Pritchard, dir. Pub. Utilities, City Hall.

Transmission Line, etc.—Amarillo, Tex.—Southwestern Pub. Serv. Co., making plans new power transmission lines, new power plant equipment, etc., $1,000,000, also making preliminary plans 2nd unit to power plant under construction here. $1,000,000. Private plans.

Bids Desired

Heating and Ventilating System — Brookline (br. Boston) **Mass.**—Mar. 16, by School Com., Town Hall, heating and ventilating in school and library, Heath St. $25,000. Richardson & Gay, 220 Devonshire St., Boston, engrs.

Station — Dorchester (Boston P. O.), **Mass.**—Mar. 22, by Transit Dept., 1 Beacon St., Boston, Rapid Transit Station, Savin Hill Ave. and Columbia Rd., here. To exceed $25,000. E. R. Springall, Transit Dept., 1 Beacon St., Boston, engr. Noted Sept. 30.

Fire Alarm Equipment — Central Islip, N. Y.—Mar. 30, by Dept. Mental Hygiene, Capitol, Albany, fire alarm equipment, at Central Islip State Hospital, here; adv. E. N.-R. Mar. 10.

Alarm Systems—New York, N. Y.—Mar. 14, by J. J. McGrath, M. D., pres. Bd. Trustees, Bellevue and Allied Hospitals, at office of General Medical Supt., Bellevue Hospital, fire alarm systems in Bellevue Hospital, 1st Ave. between East 26th and East 29th St., Bellevue Nurses Home, 26th St. east of 1st Ave., and Fordham Hospital, Cambreleng Ave. and Southern Blvd.

Sub-Station—Phila., Pa.—See "Buildings Industrial."

Culverts—Norfolk, Va.—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Transit Shed—Mobile, Ala.—Mar. 15, by State Docks Comn., W. L. Sibert, chn., constructing 120 x 1,350 ft. concrete and steel transit shed for Pier 1.

Transmission Line, etc. — Mississippi, Tennessee and Louisiana—See "Contracts Awarded."

Subway—Sacramento, Calif.—Mar. 28, by State Hy. Dept., Sacramento, constructing undergrade crossing in Sacramento county under Southern Pacific R.R. tracks at point 1 mi. south of Ben Ali, consisting of 2 concrete abutments with wing walls, sidewalks and graded roadway. R. M. Morton, Strub Bldg., Sacramento, engr.

Contracts Awarded

Sub-Station—Allston (sta. Boston) **Mass.**—Edison Electric Illuminating Co., 39 Boylston St., Boston, altering and constructing 2 story, rein.-con. and brick addition, plain foundation, 1205 Commonwealth Ave., here, to F. T. Ley Co., Statler Bldg., Boston. Archts. est. $40,000.

Special Work — Brooklyn, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, 13 portions special work for use in construction Coney Island Yard, and Route 8, Sect. 6-D, to Bethlehem Steel Co., 25 Bway., New York City, $30,990. Noted Mar. 3.

Towers — Buffalo, N. Y. — International Milling Co., Childs St., erecting two 22 x 26 ft steel marine towers, 160 ft. high, to Monarch Eng. Co., Fidelity Bldg., Buffalo, $90,000.

Subsurface Structures—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., rerouting subsurface structures at 207th St. Yard of Rapid Transit R.R., to Melrose Constr. Co., 103 East 125th St., $373,000. Noted Mar. 3.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., section 3, Route 104, Rapid Transit R.R., to Patrick McGovern, Inc., 50 East 42nd St., $10.481,550. Noted Oct. 21.

Comfort Station — New York, N. Y. — Park Bd. Dept. Parks. Arsenal Bldg., Central Park, shelter and comfort station in Carl Schurz Park, north of East 84th St., to J. H. Goldblatt, 435 East 166th St., $27,-333. Noted Feb. 24.

Subway Equipment—Phila., Pa.—H. E. Ehlers, dir. Dept. City Transit, Contr. 129, to N. Connelly, 1404 North 18th St., $125,-426. Noted Feb. 17.

Transmission Line, etc. — Mississippi, Tennessee and Louisiana — Mississippi Power & Light Co., Jackon, Miss., will construct 100 kva. line from Amite, La., to Jackson, Miss., and from Indianola, Miss., to Grenada, Miss., also 110 kva. line from Cleveland, Miss., to Memphis, Tenn., by own forces. Will also construct 200 mi. 100 kva. line and reconstruct distribution systems in 20 towns in Mississippi. Private plans.

Subway—Granite City, Ill.—See "Buildings—Industrial."

Green Houses—Pana, Ill.—W. A. Amling Co., twenty-eight 38 x 300 ft., steel and concrete greenhouses, to Amer. Greenhouse Mfg. Co., P. L. McKee, pres., Pana. Engrs. est. $400,000. This corrects report in Mar. 3 issue.

Storage Tanks — Atchison, Kan. — Pillsbury Flour Mills Co., Metropolitan Life Bldg., Minneapolis, Minn., rein.-con. storage tanks, 1,000,000 bu. capacity, Main St. from 10th to 12th Aves., here, to Folwell & Ahlskog, 323 North Michigan Ave., Chicago, Ill. Total approximately $250,000. Noted Feb. 17.

Grain Elevator—Clay Center, Kan.—Clay Center Milling Co., 120,000 bu. capacity, grain elevator, rein.-con., to Eberhardt Constr. Co., Dwight Bldg., Kansas City, Mo. Archts. est. $50,000.

Lighting System—Laguna Beach, Calif.—Orange Co. (Santa Ana), ornamental lighting system, here, to Los Angeles Electric Wks., 1128 Los Angeles St., Los Angeles, $29,442. Noted Mar. 3.

Asphalt Plant — Lemongrove, Calif. — R. E. Hazard Contg. Co., 2548 Kettner Blvd., installing Madsen Asphalt Plant with capacity one ton box, having 50 hp. motor, electrically driven, to Madsen Iron Wks., Huntington Park, $25,000.

Lighting System—Long Beach, Calif.—For ornamental lighting system on Redondo Blvd. between 2nd St. and Pacific Electric R.R. tracks, to F. Ziebarth, Farmers and Merchants Bank Bldg., $42,-953. Noted Jan. 6.

Conduits and Lighting System—Los Angeles, Calif. — For constructing conduits and lighting system on Pico Blvd. between Hauser Blvd. and Robertson Blvd., to Walker & Martin, 402 West Wilshire Blvd., Fullerton, $45,906.

Pumping Plant—Oakland, Calif.—Directors East Bay Municipal Utility Dist., pumping plant at Walnut Creek, to Pelton Water Wheel Co., 19th and Harrison Sts., San Francisco, $30,790.

Materials

Proposed Work

Equipment and Pole Lines—Maine—New England Telephone & Telegraph Co., plans central office equipment in Bangor, $5,501 appropriated; and pole lines in Waldoboro, $6,648 appropriated. Private plans.

Cables—New Hampshire—New England Telephone & Telegraph Co., 119 Milk St., Boston, Mass., plans aerial cables in Durham, $16,680 appropriated; and switchboard equipment in Dover, $3,852 appropriated. Private plans.

Equipment and Poles — Vermont — New England Telephone & Telegraph Co., 119 Milk St., Boston, Mass., plans central office switchboard and equipment addition in Barre, $7,130 appropriated; and exchange poles in Waterbury, $3,120 appropriated. Private plans.

Culvert Pipe and Guard Rail—Michigan—State Hy. Dept., Lansing, C. D. Betts, buyer, State Administrative Bd., plans purchasing 344 lin.ft. corrugated culvert pipe, 8,800 lin.ft. guard rail cable fittings, also 450 guard rail parts.

Bids Desired

Bituminous Material, etc.—Albany, N. Y.—Mar. 23, by A. W. Brandt, comr. hys., State Pub. Wks. Bldg., 353 Bway., bituminous material "A" and "T"; also furnishing f.o.b. railroad cars destination; adv E. N.-R. Mar. 10.

Pipe—New York, N. Y.—Mar. 11, by P. J. Dooling, comr. Purchase, Municipal Bldg., furnishing and delivering c.i. pipe, specials, valves, etc., to Dept. Water, Supply, Gas & Electricity.

Coal-Tar and Crushed Stone—Flemington, N. J.—Mar. 14, by Street Comn., 10,-000 gal. refined coal tar; also 500 ton 3-8 to 2.5 in. crushed stone. H. B. Kline, comr.

Stone, Tar and Oil—Towson, Md.—Mar. 15, by Comrs. Baltimore Co., 50,000 tons stone, 125,000 gal. bituminous patching material, f.o.b. plant, and 280,000 gal. tar and oil. S. A. Green, road engr.

Pipe, etc.—Monroe, La.—Monroe-Winnifield Oil & Gas Co., wants prices pipe, portable rigs, etc., for oil land development.

Gate Valves, etc.—Toledo, O.—Mar. 15, by W. B. Guitteau, dir. Pub. Serv., 60 in. and 42 in. hydraulically operated gate valves, 26 tons 60 and 36 in. c.i. pipe, 27 tons c.i. specials, etc.

Reinforcing Steel and Culvert Pipe — Boone, Ia. — Mar. 16, at office Auditor Boone Co., furnishing quantity reinforcing steel and culvert pipe. J. A. Illeman, Boone, co. engr.

Lumber, Paint, etc.—Clarinda, Ia.—Mar. 17, at office Auditor Page Co., furnishing 175,300 ft. bridge lumber, 4,480 ft. creosoted yellow pine piling, 7,000 lb. nails, 150 gal. paint, 50 gal. linseed oil, and 3,150 ft. corrugated culvert pipe. W. P. Norris, Clarinda, co. engr.

Culvert Pipe—Cherokee, Ia.—Mar. 17, at office Auditor Cherokee Co., furnishing 6,228 ft. 15- to 24-in. culvert pipe. P. L. Collins, Cherokee, co. engr.

Lumber, etc.—Rock Rapids, Ia.—Mar. 14, at office Auditor Lyon Co., furnishing 100 ft. treated piling, 22,800 ft. treated and 49,500 ft. untreated lumber. R. H. Fuller, Rock Rapids, co. engr.

Portland Cement—St. Paul, Minn.—Mar. 15, by A. E. Eggert, city purch. agt., 2,000 bbl. portland cement, 12,000 sewer brick, 4.490 pieces 1 pine or fir lumber. G. M. Shepard, city engr.

Paving Asphalt, Road Oil, etc.—London, Ont.—Mar. 14, by City Clk. (Tenders addressed to Chairman No. 2 Comn.), refined paving asphalt; road oil; portland cement; limestone dust; broken stone; vitr. tile and concrete sewer pipe; land tile and iron castings, $50,000. W. P. Near, City Hall, engr.

Bids Received

Fuel Oil—New York, N. Y.—J. Miller, pres. Manhattan Boro, Mar. 2, Municipal Bldg., 1,100,000 gal. fuel oil, from Petroleum Heat & Power Co., 511 5th Ave., at $0.525 per gal., total $57,750. Noted Feb. 24.

Trap Rock and Asphaltic Cement—Minneapolis, Minn.—F. S. Gram, city purch. agt., Feb. 25, 16,000 ton crushed granite or trap rock, from Trap Rock Co., 211 Commerce Bldg., St. Paul, ¾ in. at $1.25 per ton, and 1½ in. $2; 2,500 tons asphaltic cement, from Standard Oil Co. of Indiana, 1937 S. E. 4th St., $22.30 per ton.

Portland Cement—Minneapolis, Minn.—F. S. Gram, city purch. agt., 125,000 bbl. portland cement, from Landers-Morrison-Christenson Co., 800 Builders Exch. Bldg., at $1.97 per bbl. net, cash, f.o.b. cars. Noted Jan. 6.

Contracts Awarded

Steel—New York, N. Y.—New York Central R.R. Co., 446 Lexington Ave., 40,000 tons steel, for proposed office building to McClintock-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Noted Dec. 16.

Paving Material — Detroit, Mich. — To Solvay Sales Corp., West Jefferson Ave., 30,000 tons binder stone at $1.54 per ton, 11,000 tons mineral dust at $3.40 per net ton in bulk and $4.70 per ton in bags; to Toledo Vitr. Brick Co., Smith and Baker Bldg., 7,000 tons mineral dust at $3.40 per ton in bulk and $4.70 per ton in bags; to Ray Sand & Gravel Co., 2508 Book Tower, 125,000 cu.yd. asphalt sand $1.385; and to J. Calverts Sons, 6505 2nd Blvd., 5,000 cu. yd. 60-40 concrete gravel $2.70, all f.o.b. Detroit.

Road Oil — Minneapolis, Minn. — A. P. Erickson, aud. Hennepin Co., approximately 300,000 gal. road oil, Spec. A, to Standard Oil Co., of Indiana, 1937 S. E. 4th St., at $0.0615 per gal.; and Spec. B, to W. H. Barber Co., 1501 Franklin Ave. S. E., $0.07 per gal.

Special proposal advertising on page 153

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Engineering News-Record Unit Prices

Road Work—Missouri

Bids were opened by State Highway Commission, Jefferson City, Jan. 28, (lowest four and highest) for improving 2.834 mi. Project 1A, Cole Co., from (A) S. J. Groves & Sons Co., Minneapolis, Minn., (awarded contract); (B) Davis Construction Co., Booneville; (C) M. E. Gillioz, Monett; (D) C. P. O'Reilly Construction Co., St. Louis; (E) Cameron-Joyce-Smith-Elder Co., Keokuk, Ia. The unit bids are as follows:

	A	B	C	D	E
18.2 sta. of clearing and grubbing	$15.00	$20.00	$20.00	$15.00	$30.00
9.1 sta. of hedge pulling	10.00	15.00	20.00	10.00	10.00
63,441 cu.yd. class "A" excav.	.32	.30	.35	.30	.55
1,542 cu.yd. class "B" excav.	1.20	.85	.75	.66	.65
31,053 cu.yd. class "C" excav.	1.20	1.40	1.30	1.43	1.65
5,809 cu.yd. borrow excav.	.32	.30	.30	.30	.44
161,167 cu.yd. sta. of overhaul	.02	.04	.04	.02½	.04
184 lin.ft. 15 in. R.C.P. culv. sr & ft.	3.00	2.50	3.00	3.00	2.25
32 lin.ft. 18 in. R.C.P. culv. sr.	4.00	3.50	3.00	3.50	3.00
915 lin.ft. concrete gutter	1.00	1.10	1.00	1.50	1.00
540 lin.ft. cobblestone gutter	1.00	.80	3.00	2.00	.80
704.7 cu.yd. of class "B" conc. mas.	17.00	16.00	15.00	17.50	18.00
63,720 lb. reinf. for conc. struc.	.06	.05	.05	.05	.05
1 raising manhole	30.00	10.00	10.00	15.00	25.00
1 grating for inlet box	20.00	10.00	10.00	5.00	10.00
Totals	$82,849	$88,998	$89,425	$88,844	$114,535
Bridge at sta. 57 and 30					
2,335 cu.yd. class "B" conc. mas.	$17.00	$15.00	$15.00	$17.50	$18.00
23,790 lb. of reinf. for conc. mas.	.06	.05	.05	.05	.05
Totals	$5,397	$4,692	$4,692	$5,276	$5,393
Grand totals	$88,246	$93,691	$94,117	$94,119	$119,921

Water Pipe—Detroit, Mich.

Bids were opened by City, Jan. 26, for laying water pipe, Contract No. 1927-2, from (A) John A. McDace Co., 2016 Webb St., (awarded contract); (B) G. A. Gessner, Toledo, O.; (C) Ray D. Baker. The unit bids are as follows:

	A	B	C
4,550 ft. 16 in. pipe	$1.15	$1.49	$2.50
11,555 ft. 8 in. pipe	.64	.67	.70
6,250 ft. 6 in. pipe	.58	.58	.60
4 16 in. gate wells	70.00	76.00	75.00
36 6-8-12-in. gate wells	65.00	64.00	60.00
5 B.O's	20.00	20.00	10.00
Totals	$18,973	$20,854	$25,724

Bridge—Florida

Bids were opened by State Road Department, Tallahassee, Jan. 26, (lowest four and highest) for constructing bridge across Black Creek, Project No. 665, Clay Co., from (A) Concrete Steel Bridge Co., Miami Beach (awarded contract); (B) C. G. Kershaw Contracting Co., Birmingham; (C) Atlantic Bridge Co., Greensboro, N. C.; (D) Frank Mitchell Contracting Co., Thomasville, Ga.; (E) W. Horace Williams Co., New Orleans, La. The unit bids are as follows:

	A	B	C	D	E
458.0 cu.yd. class "A" conc. seal.	$35.00	$31.00	$46.30	$50.00	$65.00
633.5 cu.yd. class "A" substruct.	29.00	32.00	28.62	31.50	40.00
1,411.8 cu.yd. class "A" concrete superstructure	28.00	31.00	32.75	31.50	40.00
2,430.0 lin.ft. concrete handrail	4.00	4.00	3.46	3.00	4.50
546,500.0 lb. reinforcing steel	0.06	0.06	0.0514	0.06	0.061
165,000.0 lb. structural steel	0.08	0.08	0.1023	0.08	0.09
24,000.0 lb. machinery casting	0.25	0.35	0.34	0.20	0.28
385 M.F.B.M. treated structural timber	140.00	100.00	150.80	100.00	170.00
,000 lin.ft. treated fender piling	1.20	0.95	0.97	1.50	1.60
4,440 lin.ft. untreated piling	1.00	0.50	0.76	0.90	1.10
,600 lin.ft. pre-cast conc. piling	4.00	5.00	5.10	5.60	5.50
250 lin.ft. untreated piling	2.00	1.00	11.30	1.15	3.00
70 cu.yd. sand cement rip rap	17.00	15.00	20.30	18.00	15.00
3,050 sq.yd. surfacing for bridge floors	2.50	2.30	2.20	2.00	2.00
Totals	$191,767	$200,121	$211,428	$211,590	$247,352

Highway—California

Bids were opened by State Highway Commission, Sacramento, for grading and surfacing Mossdale Bridge Approach, F. A. P. 148-B, San Joaquin Co., from (A) J. E. Johnston, Weber Ave., Stockton; (B) Olympian Dredging Co., San Francisco; (C) F. R. Ritchie, San Francisco. The unit bids are as follows:

	A	B	C
40,000 cu.yd. roadway em., dredger fill	$0.63	$0.798	$0.89
3 cu.yd. structure excav., unclassified	1.50	2.00	1.00
2 cu.yd. class "A" conc. structures	20.00	40.00	50.00
60 lb. bar reinforcing steel	.06	.10	.10
800 ton std. road surf., crushed rock or stone	2.75	3.98	4.00
100 lin.ft. 18 in. corr. metal pipe	1.00	.60	2.00
Totals	$27,548	$35,256	$39,109

Bridge—Tacoma, Wash.

Bids were opened by Department of Public Works, Feb. 1, for constructing Proctor Street Bridge, from (A) Olympic Construction Co., 1326 North Lake Ave., Seattle, (awarded contract); (B) Albertson, Cornell Bros. & Walsh; (C) J. F. Batchellor; (D) Pacific States Construction Co.; (E) Paul S. Savage. The unit bids are as follows:

	A	B	C	D	E
2 sanitary manholes, in excavation, to remove	$15.00	$15.00	$10.00	$20.00	$6.00
1 storm sewer manhole, in excavation, to remove	15.00	15.00	10.00	20.00	6.00
4 catch basins, in excavation, to remove	15.00	5.00	5.00	10.00	2.50
344 sq.yd. pavement, to remove	.50	1.00	.90	.50	.50
320 sq.ft. conc. sidewalk, to remove	.05	.10	.05	.10	.06
6,000 cu.yd. excavation and backfill	1.00	1.60	1.55	1.65	1.65
1,044 cu.yd. conc. deck system	20.00	29.85	21.50	21.00	28.00
1,585 cu.yd. conc. arch ribs, struts and columns	21.00	22.75	23.00	27.00	29.50
2,239 cu.yd. conc. piers and abutments	15.00	10.80	13.00	15.00	12.00
700,000 lb. rein. steel and wire	.04½	.0341	.04½	.04	.04
3 san. sewer manholes	65.00	35.00	60.00	50.00	47.00
3 storm sewer manholes	50.00	35.00	60.00	60.00	47.00
3 new sewer manhole castings	20.00	20.00	17.00	25.00	19.00
3 sewer manhole castings—to relay	5.00	4.00	3.00	10.00	2.50
640 lin.ft. 10-in. sewer pipe and trench	1.25	.36	1.50	1.20	1.00
5 catch basins	30.00	20.00	16.00	30.00	18.00
1 catch basin casting—new	20.00	20.00	16.00	25.00	19.00
4 catch basin castings—to relay	5.00	4.00	3.00	5.00	2.50
262 sq.yd. asphaltic conc. pavement	3.00	2.50	2.75	4.00	2.40
54 lin.ft. conc. curb and gutter	1.00	.75	.60	1.00	.50
369 sq.ft. conc. sidewalk	.20	.20	.20	.25	.24
79 sections of ballusters	30.00	32.00	18.00	45.00	25.00
10 light and trolley poles	150.00	60.00	30.00	125.00	100.00
24 copper pull boxes	6.00	6.00	7.00	10.00	5.00
1 copper switch box	29.50	29.50	15.00	40.00	16.00
875 lin.ft. 1¼-in. galvanized conduit	.23	.21	.25	.50	.70
1,250 lin.ft. 10 gage duplex parking cable	.90	.90	.20	1.25	.24
320 sq.ft. 24 gage copper water stop	.50	.60	.50	.50	.50
448 lin.ft. ¾ x 6 in. Carey elastite	.20	.24	.18	.50	.16
480 sq.ft. ½-in. Carey elastite	.35	.40	.33	.40	.40
100 sq.ft. ½-in. Carey elastite	.30	.32	.14	.30	.26
30 90-lb. bronze bracketts, st'd lamp heads and globes	32.00	31.58	55.00	50.00	43.00
134 steel ties—to place only (lump sum)	25.00	160.00	67.00	35.00	90.00
26.65 tons steel rails—to place only (lump sum)	25.00	475.00	265.00	265.00	210.00
Totals	$132,944	$133,448	$133,642	$148,591	$148,889

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Continued on page 162a

In planning the new Benjamin Franklin Hotel, Philadelphia, Architect Horace Trumbauer specified Blue Annealed ARMCO Ingot Iron for the 250 foot stack which serves four Heine oil-fired boilers. Installed by Philadelphia Boiler Works

Long Lasting Service Where Rust Takes Its Greatest Toll

THAT ARMCO Ingot Iron was chosen for the Benjamin Franklin Hotel stack installation, is a tribute to the durable qualities of pure iron.

For under stack conditions rust is ever a problem. Sulphurous fumes, soot, condensation, combined with natural atmospheric conditions, play havoc with ordinary sheet metal.

Not so with ARMCO Ingot Iron. Its purity, its ability to take and hold paint, its inherent resistance to heat and rust, make it the ideal iron for stack and breeching construction.

And iron that lasts is sure to be economical building material, despite its slightly higher first cost. Ask us for performance data that bears out this fact.

Ingot Iron

Back of the triangle the institution — for more than a quarter of a century makers of special analysis iron and steel sheets and plates for exacting uses

THE AMERICAN ROLLING MILL COMPANY
Middletown, Ohio
Export:—ARMCO International Corp.
Cable Address:—ARMCO, Middletown

Chicago
Cincinnati
Cleveland
Detroit
New York
Philadelphia
Pittsburgh
St. Louis
San Francisco

ARMCO TRADE MARK INGOT IRON
The Purest Iron Made

Engineering News-Record Unit Prices

Paving—Boston, Mass.

Bids were opened by City, May 5, 1926, for paving Franklin St. from Oliver to Broad Streets, granite block, from (A) J. F. Kennedy Construction Co., 6 Beacon St., (awarded contract); (B) S. J. Tomasello, 11 Cushing Ter.; (C) A. DeStefano Sons, 288 Sumner St., E.; (D) Ormac Co., 170 Summer St.; (E) C. W. Dolloff & Co., 75 Dellsway, Somerville. The unit bids are as follows:

Edgestones	A	B	C	D	E
10 lin.ft. straight, set	$0.32	$0.35	$0.50	$0.40	$0.60
10 lin.ft. circular, set	.35	.35	.75	.40	.60
330 lin.ft. reset	.28	.25	.40	.40	.60
Granite Block Pavement					
10 sq.yd. with gravel joints, relaid	1.00	1.00	1.50	.80	1.50
1,585 sq.yd. with grout joints, hauled and laid	3.00	3.15	3.20	3.29	3.75
10 sq.yd. with grout joints, recut and relaid, con.	2.75	4.00	3.50	3.29	3.45
10 sq.yd. with gravel joints, relaid	2.00	2.50	2.00	1.70	2.20
Brick					
10 sq.yd. sidewalk, relaid	1.00	1.50	.75	.50	1.00
Artifical Stone					
10 sq.ft. foundation	.05	.01	.01	.05	.10
1,930 sq.ft. sidewalk	.22	.22	.25	.26	.30
Wages for laborers, per hr.	.65	.65	.65	.65	.60
Totals	$5,351	$5,598	$5,778	$5,924	$6,824

Road Improvement—Kansas

Bids were opened by State Highway Commission, Topeka, Feb. 3, for improving 3.872 mi. Federal Aid Project 362, Sect. A, Lincoln Co., from (A) Campbell Bros., Kansas City, Mo., (awarded contract); (B) L. W. Rexroad, Salina; (C) Yancey Construction Co., Abilene. The unit bids are as follows:

	A	B	C
47,939 cu.yd. earth excavation	$0.27	$0.30	$0.34
3,645 cu.yd. borrow excavation	.27	.35	.36
35 cu.yd. rock excavation	1.50	2.50	2.00
227.4 cu.yd. class "A" conc	21.50	20.00	21.00
3.1 cu.yd. class "E" conc	50.00	40.00	40.00
20,830 lb. reinforcing steel	.05	.055	.055
96 lin.ft. 18 in. C.M. pipe	2.50	3.00	2.75
48 lin.ft. 24 in. C.M. pipe	3.50	4.00	3.50
1,300 lin.ft. cable guard fence	.90	.90	.90
Totals—grading and culverts	$21,644	$23,213	$25.329
90 cu.yd. dry excavation	3.00	1.50	3.00
150 cu.yd. wet excavation	7.00	6.00	5.00
132.3 cu.yd. class "A" conc	22.50	21.50	22.50
3.9 cu.yd. class "E" conc.	50.00	40.00	40.00
13,590 lb. reinforcing steel	.05	.055	.055
28,140 lb. structural steel	.061	.065	.07
Totals—Bridge No. 6	$6,768	$6,552	$6,750
130 cu.yd. dry excavation	1.50	1.50	2.00
73.6 cu.yd. class "A" conc	19.00	20.00	21.00
1.3 cu.yd. class "E" conc.	50.00	40.00	40.00
6,720 lb. reinforcing steel	.05	.055	.055
Totals—Bridge No. 10	$1,994	$2,089	$2,227
125 cu.yd. dry excavation	1.50	1.50	2.00
101.1 cu.yd. class "A" conc	19.00	20.00	20.00
1.3 cu.yd. class "E" conc.	50.00	40.00	40.00
8,190 cu.yd. reinforcing steel	.05	.055	.055
Totals—Bridge No. 19	$2,583	$2,712	$2,774
Grand totals	$32,989	$34,565	$37,080

Road Work—Oregon

Bids were opened by State Highway Commission, Salem, for surfacing 4.8 mi. Hays Hill Sect. of Redwood Highway, Josephine Co., from (A) Simonson & Hefty, Astoria, (awarded contract); (B) W. Von der Hellen, Medford; (C) R. W. Stevenson, 1402 Rodney Ave., Portland. The unit bids are as follows:

	A	B	C
7,000 cu.yd. sub-base course surfacing	$1.38	$1.30	$1.55
4,200 cu.yd. base course surfacing	1.38	1.50	1.80
1,400 cu.yd. top course surfacing	1.38	1.70	1.95
1,300 cu.yd. grade A crushed gravel in stock pile	1.50	2.10	2.10
3,900 cu.yd. grade B crushed gravel in stock pile	1.50	1.60	1.80
350 cu.yd. grade C crushed gravel in stock pile	1.50	1.50	1.30
100 cu.yd. grade A crushed gravel in trucks	1.35	2.00	1.50
300 cu.yd. grade B crushed gravel in trucks	1.35	1.50	1.20
4,000 cu.yd. filler	.40	.25	.35
8,000 yd. mi. filler (hauled)	.18	.10	.20
Totals	$29,293	$30,525	$34,855

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Road Work—Virginia

Bids were opened by State Highway Commission, Richmond, Jan. 25, (lowest three) for grading and draining 1.514 mi. Route No. 111, Project S-299-B, Buchanan Co., including bridge over Contrary Creek, from (A) Norton Construction Co., Norton (awarded contract); (B) Tazewell Construction Co., Bandy; (C) Robert Martin Co., Salem. The unit bids are as follows:

	A	B	C
15 acres clearing and grubbing	$35.00	$50.00	$45.00
110,641 cu.yd. reg. excavation	.42	.50	.55
90 lin.ft. 15 in. pipe	2.00†	2.00*	2.00*
770 lin.ft. 18 in. pipe	2.50	2.50	2.50
83 lin.ft. 24 in. pipe	3.50	3.50	4.00
2,317 cu.yd. dry rubble masonry	4.00	3.00	2.00
211 cu.yd. class "A" concrete	23.00	20.00	20.00
112 cu.yd. class "B" concrete	21.00	18.00	18.00
14,288 lb. metal reinforcement	.07	.08	.08
90 concrete right of way monuments	1.50	3.00	3.00
Bridge over Contrary Creek (lump sum)	5,062.55	4,669.40	4,814.40
Totals	$79,266	$85,509	$89,168

* Reinf. concrete pipe.
† Class of pipe not designated.

Paving—Wewoka, Okla.

Bids were opened by City for grading and paving 26 blocks in Dist. No. 8, from (A) Hansen-Pearce Co., Edmond, (awarded contract); (B) Ward, Beekman & Brooks, Okhahoma City; (C) Earl W. Baker & Co., 404 Medical Arts Bldg., Oklahoma City. The unit bids are as follows:

	A	B	C
31,500 sq.yd. 6-in. plain concrete	$2.59	$2.61	$2.62
11,000 cu.yd. earth excavation	.78	.84	.83
175 cu.yd. rock excavation	1.40	2.00	1.90
15,800 ft. straight curbing	.68	.70	.69
980 ft. circular curbing	.71	.73	.74
1,260 ft. header curbing	.50	.50	.50
210 ft. 21-in. diam. tile	2.50	2.60	3.00
6 manholes	60.00	62.50	75.00
9 inlet basins	31.00	34.00	37.50
4 manholes lowered	8.00	4.00	7.00
36 sewer connections	27.00	31.00	30.00
210 ¾-in. lead water pipes	22.50	23.00	23.00
Totals	$122,318	$124,262	$125,727

Road Work—New Mexico

Bids were opened by State Highway Department, Santa Fe, Dec. 28, 1926, for constructing Shiprock-Farmington Highway, San Juan Co., Federal Aid Project No. 147E-, from (A) Salle Construction Co., Pueblo, Colo., (awarded contract); (B) Engler & Teyssier, Durango, Colo.; (C) Luke E. Smith & Co., Denver, Colo. The unit bids are as follows:

	A	B	C
14,410 cu.yd. class "I" excavation	$1.30	$1.30	$1.35
76,034 cu.yd. common excavation	.25	.35	.35
20,045 cu.yd. borrow	.25	.35	.25
3,468 sta.yd. overhaul	.03	.03	.03
19,518 cu.yd. one course surfacing	2.70	2.45	2.80
65 cu.yd. one course surfacing	3.00	2.45	3.00
23 cu.yd. mortar rubble masonry	10.00	11.00	15.00
25 cu.yd. mortar rubble masonry	10.00	11.00	15.00
48 cu.yd. rip rap	2.00	2.50	2.00
48 lin.ft. 18-in. diam. 16 gauge C.M. culvert	2.40	2.35	2.20
998 lin.ft. 24-in.diam. 14 gauge C.M. culvert	3.40	3.45	3.10
220 lin.ft. 36-in.diam. 14 gauge C.M. culvert	5.00	5.00	6.00
18 cu.yd. class "A" concrete (bridges)	25.00	28.00	24.00
310 cu.yd. class "A" concrete	25.00	28.00	24.00
37 cu.yd. class "B" concrete	25.00	28.00	24.00
40,318 lb. reinforcing bars	.08	.10	.07½
380 lb. reinforcing bars (bridges)	.08	.10	.07½
6,900 lin.ft. woven wire guard (road)	.90	1.15	1.15
394 lin.ft. woven wire guard (bridges)	1.10	1.15	1.25
1,144 lin.ft. wooden piling	3.00	2.60	2.00
17 M.B.M. creo. wooden substructure	205.00	185.00	205.00
37 M.B.M. creo. wooden superstructure	195.00	185.00	205.00
108 cu.yd. bridge excavation	5.00	2.50	2.50
7,215 lin.ft. moving fence	.03	.02	.04
2 federal aid markers	10.00	8.00	50.00
16,563 lin.ft. protection ditch and dike	.10	.08	.50
29 cu.yd. cement concrete pavement	22.00	15.00	24.00
230 lin.ft. asphalt expansion joint	.20	.20	.25
Totals	$136,608	$143,146	$151,592